
Appendix 3.4

**Calculation of Emissions from Portal
and Ventilation Building**

Location of Portal Emission and Ventilation Building

Model File Name	Emission Source ID	Name in models	Source Type	x-coordinate	y-coordinate	Description
PU0	S	S1	VOLUME	838791.9	820561.5	Kai Tak Tunnel-KTTE
		S2	VOLUME	838802.0	820558.4	Kai Tak Tunnel-KTTE
		S3	VOLUME	838812.1	820555.3	Kai Tak Tunnel-KTTE
		S4	VOLUME	838822.2	820552.2	Kai Tak Tunnel-KTTE
		S5	VOLUME	838832.3	820549.1	Kai Tak Tunnel-KTTE
		S6	VOLUME	838842.4	820546.0	Kai Tak Tunnel-KTTE
		S7	VOLUME	838852.5	820542.9	Kai Tak Tunnel-KTTE
		S8	VOLUME	838862.6	820539.8	Kai Tak Tunnel-KTTE
		S9	VOLUME	838872.7	820536.7	Kai Tak Tunnel-KTTE
		S10	VOLUME	838882.8	820533.6	Kai Tak Tunnel-KTTE
	R	R1	VOLUME	837672.8	820244.7	Kai Tak Tunnel-KTTW
		R2	VOLUME	837670.3	820235.1	Kai Tak Tunnel-KTTW
		R3	VOLUME	837667.8	820225.5	Kai Tak Tunnel-KTTW
		R4	VOLUME	837665.3	820215.9	Kai Tak Tunnel-KTTW
		R5	VOLUME	837662.8	820206.3	Kai Tak Tunnel-KTTW
		R6	VOLUME	837660.3	820196.7	Kai Tak Tunnel-KTTW
		R7	VOLUME	837657.8	820187.1	Kai Tak Tunnel-KTTW
		R8	VOLUME	837655.3	820177.5	Kai Tak Tunnel-KTTW
		R9	VOLUME	837652.8	820167.9	Kai Tak Tunnel-KTTW
		R10	VOLUME	837650.3	820158.3	Kai Tak Tunnel-KTTW
	Q	Q1	VOLUME	838484.2	820605.2	D2 Landscape Deck-D2ENB
		Q2	VOLUME	838493.7	820608.1	D2 Landscape Deck-D2ENB
		Q3	VOLUME	838503.2	820611.0	D2 Landscape Deck-D2ENB
		Q4	VOLUME	838512.7	820613.9	D2 Landscape Deck-D2ENB
		Q5	VOLUME	838522.2	820616.8	D2 Landscape Deck-D2ENB
		Q6	VOLUME	838531.7	820619.7	D2 Landscape Deck-D2ENB
		Q7	VOLUME	838541.2	820622.6	D2 Landscape Deck-D2ENB
		Q8	VOLUME	838550.7	820625.5	D2 Landscape Deck-D2ENB
		Q9	VOLUME	838560.2	820628.4	D2 Landscape Deck-D2ENB
		Q10	VOLUME	838569.7	820631.3	D2 Landscape Deck-D2ENB
	P	P1	VOLUME	838273.7	820534.1	D2 Landscape Deck-D2MSB
		P2	VOLUME	838265.0	820528.7	D2 Landscape Deck-D2MSB
		P3	VOLUME	838256.3	820523.3	D2 Landscape Deck-D2MSB
		P4	VOLUME	838247.6	820517.9	D2 Landscape Deck-D2MSB
		P5	VOLUME	838238.9	820512.5	D2 Landscape Deck-D2MSB
		P6	VOLUME	838230.2	820507.1	D2 Landscape Deck-D2MSB
		P7	VOLUME	838221.5	820501.7	D2 Landscape Deck-D2MSB
		P8	VOLUME	838212.8	820496.3	D2 Landscape Deck-D2MSB
		P9	VOLUME	838204.1	820490.9	D2 Landscape Deck-D2MSB
		P10	VOLUME	838195.4	820485.5	D2 Landscape Deck-D2MSB
	X	X1	VOLUME	838130.7	820444.2	D2 Landscape Deck-D2MNB
		X2	VOLUME	838137.3	820452.5	D2 Landscape Deck-D2MNB
		X3	VOLUME	838143.4	820459.1	D2 Landscape Deck-D2MNB
		X4	VOLUME	838149.4	820465.1	D2 Landscape Deck-D2MNB
		X5	VOLUME	838154.3	820470.1	D2 Landscape Deck-D2MNB
		X6	VOLUME	838160.9	820476.6	D2 Landscape Deck-D2MNB
		X7	VOLUME	838168.0	820482.7	D2 Landscape Deck-D2MNB
		X8	VOLUME	838175.1	820488.7	D2 Landscape Deck-D2MNB
		X9	VOLUME	838182.3	820494.2	D2 Landscape Deck-D2MNB
		X10	VOLUME	838193.2	820501.8	D2 Landscape Deck-D2MNB
Y	Y1	VOLUME	838116.0	820396.1	D2 Landscape Deck-D2WSB	
	Y2	VOLUME	838111.6	820388.5	D2 Landscape Deck-D2WSB	
	Y3	VOLUME	838107.2	820380.8	D2 Landscape Deck-D2WSB	
	Y4	VOLUME	838101.7	820373.1	D2 Landscape Deck-D2WSB	
	Y5	VOLUME	838097.4	820365.4	D2 Landscape Deck-D2WSB	
	Y6	VOLUME	838093.0	820357.8	D2 Landscape Deck-D2WSB	
	Y7	VOLUME	838088.6	820349.6	D2 Landscape Deck-D2WSB	
	Y8	VOLUME	838084.8	820341.4	D2 Landscape Deck-D2WSB	
	Y9	VOLUME	838081.5	820335.3	D2 Landscape Deck-D2WSB	
	Y10	VOLUME	838077.6	820328.2	D2 Landscape Deck-D2WSB	

PU0	U	U1	VOLUME	839034.0	820404.0	CKR Slip Road-S3SB
		U2	VOLUME	839039.0	820399.0	CKR Slip Road-S3SB
		U3	VOLUME	839044.0	820395.0	CKR Slip Road-S3SB
		U4	VOLUME	839049.0	820391.0	CKR Slip Road-S3SB
		U5	VOLUME	839054.0	820386.0	CKR Slip Road-S3SB
		U6	VOLUME	839059.0	820382.0	CKR Slip Road-S3SB
		U7	VOLUME	839064.0	820377.0	CKR Slip Road-S3SB
		U8	VOLUME	839069.0	820373.0	CKR Slip Road-S3SB
		U9	VOLUME	839074.0	820368.0	CKR Slip Road-S3SB
		U10	VOLUME	839079.0	820364.0	CKR Slip Road-S3SB
		U11	VOLUME	839084.0	820359.0	CKR Slip Road-S3SB
		U12	VOLUME	839089.0	820355.0	CKR Slip Road-S3SB
		U13	VOLUME	839094.0	820350.0	CKR Slip Road-S3SB
		U14	VOLUME	839098.0	820346.0	CKR Slip Road-S3SB
		U15	VOLUME	839103.0	820341.0	CKR Slip Road-S3SB
		U16	VOLUME	839108.0	820337.0	CKR Slip Road-S3SB
	WLD	WLD1	VOLUME	838482.0	820186.0	CKR Landscape Deck-CKRLDSWB
		WLD2	VOLUME	838474.0	820171.0	CKR Landscape Deck-CKRLDSWB
		WLD3	VOLUME	838465.0	820157.0	CKR Landscape Deck-CKRLDSWB
		WLD4	VOLUME	838457.0	820142.0	CKR Landscape Deck-CKRLDSWB
		WLD5	VOLUME	838449.0	820127.0	CKR Landscape Deck-CKRLDSWB
		WLD6	VOLUME	838440.0	820112.0	CKR Landscape Deck-CKRLDSWB
	ELD	ELD1	VOLUME	838613.0	820371.0	CKR Landscape Deck-CKRLDNEB
		ELD2	VOLUME	838632.0	820381.0	CKR Landscape Deck-CKRLDNEB
		ELD3	VOLUME	838651.0	820390.0	CKR Landscape Deck-CKRLDNEB
		ELD4	VOLUME	838670.0	820399.0	CKR Landscape Deck-CKRLDNEB
		ELD5	VOLUME	838689.0	820409.0	CKR Landscape Deck-CKRLDNEB
		ELD6	VOLUME	838708.0	820418.0	CKR Landscape Deck-CKRLDNEB
	CKREP	CKREP1	VOLUME	838421.0	820121.0	CKR Tunnel Portal Emission-CKRTEEB
		CKREP2	VOLUME	838430.0	820138.0	CKR Tunnel Portal Emission-CKRTEEB
		CKREP3	VOLUME	838439.0	820155.0	CKR Tunnel Portal Emission-CKRTEEB
		CKREP4	VOLUME	838448.0	820172.0	CKR Tunnel Portal Emission-CKRTEEB
		CKREP5	VOLUME	838457.0	820188.0	CKR Tunnel Portal Emission-CKRTEEB
		CKREP6	VOLUME	838466.0	820205.0	CKR Tunnel Portal Emission-CKRTEEB
	CKREVB	CKREVB01	POINT	838677.0	820484.0	CKR Tunnel-CKRTEVB (Ventilation Building) Hour 01
		CKREVB02				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 02
		CKREVB03				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 03
		CKREVB04				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 04
		CKREVB05				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 05
		CKREVB06				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 06
		CKREVB07				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 07
		CKREVB08				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 08
		CKREVB09				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 09
		CKREVB10				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 10
		CKREVB11				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 11
		CKREVB12				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 12
		CKREVB13				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 13
		CKREVB14				CKR Tunnel-CKRTEVB (Ventilation Building) Hour 14
CKREVB15		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 15				
CKREVB16		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 16				
CKREVB17		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 17				
CKREVB18		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 18				
CKREVB19		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 19				
CKREVB20		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 20				
CKREVB21		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 21				
CKREVB22		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 22				
CKREVB23		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 23				
CKREVB24		CKR Tunnel-CKRTEVB (Ventilation Building) Hour 24				
PU1	KTAT	KTAT	POINT	838704.0	820563.0	Kai Tak Tunnel-KTTVB (Ventilation Building)

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	742	0.342	311.873	0.087	-	4.33E-02	2.888E-02	1.444E-02
Kai Tak Tunnel	KTTE	2	1.23	737	0.343	310.895	0.086	-	4.32E-02	2.879E-02	1.439E-02
Kai Tak Tunnel	KTTE	3	1.23	369	0.345	156.707	0.044	-	2.18E-02	1.451E-02	7.255E-03
Kai Tak Tunnel	KTTE	4	1.23	367	0.347	156.767	0.044	-	2.18E-02	1.452E-02	7.258E-03
Kai Tak Tunnel	KTTE	5	1.23	362	0.348	154.827	0.043	-	2.15E-02	1.434E-02	7.168E-03
Kai Tak Tunnel	KTTE	6	1.23	715	0.343	301.644	0.084	-	4.19E-02	2.793E-02	1.396E-02
Kai Tak Tunnel	KTTE	7	1.23	1066	0.344	451.151	0.125	-	6.27E-02	4.177E-02	2.089E-02
Kai Tak Tunnel	KTTE	8	1.23	1765	0.351	762.415	0.212	-	1.06E-01	7.059E-02	3.530E-02
Kai Tak Tunnel	KTTE	9	1.23	2447	0.379	1140.835	0.317	-	1.58E-01	1.056E-01	5.282E-02
Kai Tak Tunnel	KTTE	10	1.23	2123	0.357	932.752	0.259	-	1.30E-01	8.637E-02	4.318E-02
Kai Tak Tunnel	KTTE	11	1.23	1790	0.349	768.288	0.213	-	1.07E-01	7.114E-02	3.557E-02
Kai Tak Tunnel	KTTE	12	1.23	1806	0.347	769.991	0.214	-	1.07E-01	7.130E-02	3.565E-02
Kai Tak Tunnel	KTTE	13	1.23	1828	0.353	794.412	0.221	-	1.10E-01	7.356E-02	3.678E-02
Kai Tak Tunnel	KTTE	14	1.23	1848	0.352	800.250	0.222	-	1.11E-01	7.410E-02	3.705E-02
Kai Tak Tunnel	KTTE	15	1.23	2239	0.358	986.707	0.274	-	1.37E-01	9.136E-02	4.568E-02
Kai Tak Tunnel	KTTE	16	1.23	2263	0.356	991.933	0.276	-	1.38E-01	9.185E-02	4.592E-02
Kai Tak Tunnel	KTTE	17	1.23	2289	0.355	999.965	0.278	-	1.39E-01	9.259E-02	4.629E-02
Kai Tak Tunnel	KTTE	18	1.23	2311	0.355	1008.550	0.280	-	1.40E-01	9.338E-02	4.669E-02
Kai Tak Tunnel	KTTE	19	1.23	2721	0.354	1183.680	0.329	-	1.64E-01	1.096E-01	5.480E-02
Kai Tak Tunnel	KTTE	20	1.23	1932	0.353	839.585	0.233	-	1.17E-01	7.774E-02	3.887E-02
Kai Tak Tunnel	KTTE	21	1.23	1532	0.336	633.585	0.176	-	8.80E-02	5.867E-02	2.933E-02
Kai Tak Tunnel	KTTE	22	1.23	1521	0.337	630.801	0.175	-	8.76E-02	5.841E-02	2.920E-02
Kai Tak Tunnel	KTTE	23	1.23	1133	0.338	470.844	0.131	-	6.54E-02	4.360E-02	2.180E-02
Kai Tak Tunnel	KTTE	24	1.23	1125	0.339	469.554	0.130	-	6.52E-02	4.348E-02	2.174E-02
Kai Tak Tunnel	KTTW	1	1.23	737	0.422	382.284	0.106	-	5.31E-02	3.540E-02	1.770E-02
Kai Tak Tunnel	KTTW	2	1.23	746	0.422	387.409	0.108	-	5.38E-02	3.587E-02	1.794E-02
Kai Tak Tunnel	KTTW	3	1.23	375	0.415	191.637	0.053	-	2.66E-02	1.774E-02	8.872E-03
Kai Tak Tunnel	KTTW	4	1.23	378	0.421	195.839	0.054	-	2.72E-02	1.813E-02	9.067E-03
Kai Tak Tunnel	KTTW	5	1.23	383	0.426	200.689	0.056	-	2.79E-02	1.858E-02	9.291E-03
Kai Tak Tunnel	KTTW	6	1.23	773	0.425	404.183	0.112	-	5.61E-02	3.742E-02	1.871E-02
Kai Tak Tunnel	KTTW	7	1.23	1170	0.425	611.791	0.170	-	8.50E-02	5.665E-02	2.832E-02
Kai Tak Tunnel	KTTW	8	1.23	1972	0.437	1059.048	0.294	-	1.47E-01	9.806E-02	4.903E-02
Kai Tak Tunnel	KTTW	9	1.23	2785	0.474	1622.468	0.451	-	2.25E-01	1.502E-01	7.511E-02
Kai Tak Tunnel	KTTW	10	1.23	2357	0.445	1290.068	0.358	-	1.79E-01	1.195E-01	5.973E-02
Kai Tak Tunnel	KTTW	11	1.23	1936	0.430	1023.642	0.284	-	1.42E-01	9.478E-02	4.739E-02
Kai Tak Tunnel	KTTW	12	1.23	1915	0.433	1019.613	0.283	-	1.42E-01	9.441E-02	4.720E-02
Kai Tak Tunnel	KTTW	13	1.23	1887	0.438	1015.519	0.282	-	1.41E-01	9.403E-02	4.701E-02
Kai Tak Tunnel	KTTW	14	1.23	1863	0.437	1000.736	0.278	-	1.39E-01	9.266E-02	4.633E-02
Kai Tak Tunnel	KTTW	15	1.23	2207	0.443	1203.771	0.334	-	1.67E-01	1.115E-01	5.573E-02
Kai Tak Tunnel	KTTW	16	1.23	2177	0.441	1180.966	0.328	-	1.64E-01	1.093E-01	5.467E-02
Kai Tak Tunnel	KTTW	17	1.23	2147	0.439	1158.320	0.322	-	1.61E-01	1.073E-01	5.363E-02
Kai Tak Tunnel	KTTW	18	1.23	2116	0.436	1134.255	0.315	-	1.58E-01	1.050E-01	5.251E-02
Kai Tak Tunnel	KTTW	19	1.23	2434	0.435	1303.783	0.362	-	1.81E-01	1.207E-01	6.036E-02
Kai Tak Tunnel	KTTW	20	1.23	1757	0.431	931.410	0.259	-	1.29E-01	8.624E-02	4.312E-02
Kai Tak Tunnel	KTTW	21	1.23	1419	0.416	726.047	0.202	-	1.01E-01	6.723E-02	3.361E-02
Kai Tak Tunnel	KTTW	22	1.23	1434	0.416	734.596	0.204	-	1.02E-01	6.802E-02	3.401E-02
Kai Tak Tunnel	KTTW	23	1.23	1085	0.415	553.435	0.154	-	7.69E-02	5.124E-02	2.562E-02
Kai Tak Tunnel	KTTW	24	1.23	1097	0.418	563.536	0.157	-	7.83E-02	5.218E-02	2.609E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	9.64E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	9.70E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	4.84E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	4.90E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	4.94E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	9.80E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.48E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	2.53E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	3.84E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	3.09E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	2.49E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	2.49E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	2.51E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	2.50E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	3.04E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	3.02E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	3.00E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.98E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	3.45E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	2.46E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.89E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.90E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.42E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.43E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	267	0.276	9.196	0.003	-	2.55E-03	1.703E-03	8.515E-04
D2 Landscape Deck	D2ENB	2	0.125	262	0.278	9.088	0.003	-	2.52E-03	1.683E-03	8.415E-04
D2 Landscape Deck	D2ENB	3	0.125	130	0.272	4.412	0.001	-	1.23E-03	8.171E-04	4.085E-04
D2 Landscape Deck	D2ENB	4	0.125	128	0.272	4.350	0.001	-	1.21E-03	8.056E-04	4.028E-04
D2 Landscape Deck	D2ENB	5	0.125	125	0.276	4.309	0.001	-	1.20E-03	7.979E-04	3.989E-04
D2 Landscape Deck	D2ENB	6	0.125	248	0.285	8.841	0.002	-	2.46E-03	1.637E-03	8.186E-04
D2 Landscape Deck	D2ENB	7	0.125	363	0.283	12.842	0.004	-	3.57E-03	2.378E-03	1.189E-03
D2 Landscape Deck	D2ENB	8	0.125	598	0.289	21.598	0.006	-	6.00E-03	4.000E-03	2.000E-03
D2 Landscape Deck	D2ENB	9	0.125	822	0.290	29.848	0.008	-	8.29E-03	5.527E-03	2.764E-03
D2 Landscape Deck	D2ENB	10	0.125	722	0.286	25.822	0.007	-	7.17E-03	4.782E-03	2.391E-03
D2 Landscape Deck	D2ENB	11	0.125	616	0.284	21.876	0.006	-	6.08E-03	4.051E-03	2.026E-03
D2 Landscape Deck	D2ENB	12	0.125	629	0.282	22.150	0.006	-	6.15E-03	4.102E-03	2.051E-03
D2 Landscape Deck	D2ENB	13	0.125	644	0.280	22.557	0.006	-	6.27E-03	4.177E-03	2.089E-03
D2 Landscape Deck	D2ENB	14	0.125	658	0.280	23.056	0.006	-	6.40E-03	4.270E-03	2.135E-03
D2 Landscape Deck	D2ENB	15	0.125	804	0.275	27.675	0.008	-	7.69E-03	5.125E-03	2.563E-03
D2 Landscape Deck	D2ENB	16	0.125	821	0.273	27.980	0.008	-	7.77E-03	5.181E-03	2.591E-03
D2 Landscape Deck	D2ENB	17	0.125	839	0.271	28.411	0.008	-	7.89E-03	5.261E-03	2.631E-03
D2 Landscape Deck	D2ENB	18	0.125	854	0.267	28.553	0.008	-	7.93E-03	5.288E-03	2.644E-03
D2 Landscape Deck	D2ENB	19	0.125	1017	0.274	34.815	0.010	-	9.67E-03	6.447E-03	3.224E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	716	0.275	24.599	0.007	-	6.83E-03	4.555E-03	2.278E-03
D2 Landscape Deck	D2ENB	21	0.125	566	0.268	18.976	0.005	-	5.27E-03	3.514E-03	1.757E-03
D2 Landscape Deck	D2ENB	22	0.125	558	0.269	18.773	0.005	-	5.21E-03	3.477E-03	1.738E-03
D2 Landscape Deck	D2ENB	23	0.125	411	0.272	13.999	0.004	-	3.89E-03	2.592E-03	1.296E-03
D2 Landscape Deck	D2ENB	24	0.125	405	0.275	13.905	0.004	-	3.86E-03	2.575E-03	1.288E-03
D2 Landscape Deck	D2MSB	1	0.125	287	0.251	9.003	0.003	-	2.50E-03	1.667E-03	8.336E-04
D2 Landscape Deck	D2MSB	2	0.125	292	0.249	9.105	0.003	-	2.53E-03	1.686E-03	8.431E-04
D2 Landscape Deck	D2MSB	3	0.125	150	0.252	4.719	0.001	-	1.31E-03	8.739E-04	4.370E-04
D2 Landscape Deck	D2MSB	4	0.125	152	0.251	4.768	0.001	-	1.32E-03	8.829E-04	4.414E-04
D2 Landscape Deck	D2MSB	5	0.125	155	0.251	4.869	0.001	-	1.35E-03	9.017E-04	4.509E-04
D2 Landscape Deck	D2MSB	6	0.125	319	0.280	11.155	0.003	-	3.10E-03	2.066E-03	1.033E-03
D2 Landscape Deck	D2MSB	7	0.125	489	0.277	16.928	0.005	-	4.70E-03	3.135E-03	1.567E-03
D2 Landscape Deck	D2MSB	8	0.125	830	0.277	28.786	0.008	-	8.00E-03	5.331E-03	2.665E-03
D2 Landscape Deck	D2MSB	9	0.125	1181	0.280	41.351	0.011	-	1.15E-02	7.658E-03	3.829E-03
D2 Landscape Deck	D2MSB	10	0.125	987	0.276	34.106	0.009	-	9.47E-03	6.316E-03	3.158E-03
D2 Landscape Deck	D2MSB	11	0.125	802	0.275	27.461	0.008	-	7.63E-03	5.085E-03	2.543E-03
D2 Landscape Deck	D2MSB	12	0.125	781	0.274	26.720	0.007	-	7.42E-03	4.948E-03	2.474E-03
D2 Landscape Deck	D2MSB	13	0.125	758	0.268	25.393	0.007	-	7.05E-03	4.702E-03	2.351E-03
D2 Landscape Deck	D2MSB	14	0.125	736	0.264	24.322	0.007	-	6.76E-03	4.504E-03	2.252E-03
D2 Landscape Deck	D2MSB	15	0.125	860	0.264	28.348	0.008	-	7.87E-03	5.250E-03	2.625E-03
D2 Landscape Deck	D2MSB	16	0.125	836	0.262	27.393	0.008	-	7.61E-03	5.073E-03	2.536E-03
D2 Landscape Deck	D2MSB	17	0.125	810	0.254	25.706	0.007	-	7.14E-03	4.760E-03	2.380E-03
D2 Landscape Deck	D2MSB	18	0.125	784	0.251	24.598	0.007	-	6.83E-03	4.555E-03	2.278E-03
D2 Landscape Deck	D2MSB	19	0.125	887	0.252	27.912	0.008	-	7.75E-03	5.169E-03	2.584E-03
D2 Landscape Deck	D2MSB	20	0.125	648	0.252	20.393	0.006	-	5.66E-03	3.776E-03	1.888E-03
D2 Landscape Deck	D2MSB	21	0.125	531	0.252	16.715	0.005	-	4.64E-03	3.095E-03	1.548E-03
D2 Landscape Deck	D2MSB	22	0.125	541	0.251	16.954	0.005	-	4.71E-03	3.140E-03	1.570E-03
D2 Landscape Deck	D2MSB	23	0.125	417	0.253	13.187	0.004	-	3.66E-03	2.442E-03	1.221E-03
D2 Landscape Deck	D2MSB	24	0.125	424	0.253	13.393	0.004	-	3.72E-03	2.480E-03	1.240E-03
D2 Landscape Deck	D2MNB	1	0.0374	290	0.247	2.679	0.001	-	7.44E-04	4.961E-04	2.480E-04
D2 Landscape Deck	D2MNB	2	0.0374	284	0.251	2.667	0.001	-	7.41E-04	4.939E-04	2.470E-04
D2 Landscape Deck	D2MNB	3	0.0374	138	0.256	1.323	0.000	-	3.67E-04	2.450E-04	1.225E-04
D2 Landscape Deck	D2MNB	4	0.0374	133	0.255	1.270	0.000	-	3.53E-04	2.352E-04	1.176E-04
D2 Landscape Deck	D2MNB	5	0.0374	129	0.253	1.223	0.000	-	3.40E-04	2.264E-04	1.132E-04
D2 Landscape Deck	D2MNB	6	0.0374	253	0.268	2.531	0.001	-	7.03E-04	4.688E-04	2.344E-04
D2 Landscape Deck	D2MNB	7	0.0374	370	0.274	3.791	0.001	-	1.05E-03	7.020E-04	3.510E-04
D2 Landscape Deck	D2MNB	8	0.0374	598	0.280	6.261	0.002	-	1.74E-03	1.159E-03	5.797E-04
D2 Landscape Deck	D2MNB	9	0.0374	812	0.286	8.691	0.002	-	2.41E-03	1.609E-03	8.047E-04
D2 Landscape Deck	D2MNB	10	0.0374	729	0.280	7.622	0.002	-	2.12E-03	1.411E-03	7.057E-04
D2 Landscape Deck	D2MNB	11	0.0374	631	0.268	6.329	0.002	-	1.76E-03	1.172E-03	5.860E-04
D2 Landscape Deck	D2MNB	12	0.0374	657	0.265	6.514	0.002	-	1.81E-03	1.206E-03	6.032E-04
D2 Landscape Deck	D2MNB	13	0.0374	684	0.269	6.874	0.002	-	1.91E-03	1.273E-03	6.365E-04
D2 Landscape Deck	D2MNB	14	0.0374	708	0.261	6.923	0.002	-	1.92E-03	1.282E-03	6.411E-04
D2 Landscape Deck	D2MNB	15	0.0374	879	0.254	8.366	0.002	-	2.32E-03	1.549E-03	7.747E-04
D2 Landscape Deck	D2MNB	16	0.0374	911	0.249	8.489	0.002	-	2.36E-03	1.572E-03	7.860E-04
D2 Landscape Deck	D2MNB	17	0.0374	941	0.244	8.597	0.002	-	2.39E-03	1.592E-03	7.960E-04
D2 Landscape Deck	D2MNB	18	0.0374	969	0.238	8.625	0.002	-	2.40E-03	1.597E-03	7.986E-04
D2 Landscape Deck	D2MNB	19	0.0374	1170	0.238	10.433	0.003	-	2.90E-03	1.932E-03	9.660E-04
D2 Landscape Deck	D2MNB	20	0.0374	815	0.234	7.145	0.002	-	1.98E-03	1.323E-03	6.615E-04
D2 Landscape Deck	D2MNB	21	0.0374	639	0.244	5.820	0.002	-	1.62E-03	1.078E-03	5.389E-04
D2 Landscape Deck	D2MNB	22	0.0374	626	0.246	5.761	0.002	-	1.60E-03	1.067E-03	5.335E-04
D2 Landscape Deck	D2MNB	23	0.0374	458	0.251	4.302	0.001	-	1.20E-03	7.967E-04	3.983E-04
D2 Landscape Deck	D2MNB	24	0.0374	447	0.254	4.239	0.001	-	1.18E-03	7.850E-04	3.925E-04
D2 Landscape Deck	D2WSB	1	0.0374	303	0.257	2.912	0.001	-	8.09E-04	5.393E-04	2.697E-04
D2 Landscape Deck	D2WSB	2	0.0374	308	0.268	3.088	0.001	-	8.58E-04	5.718E-04	2.859E-04
D2 Landscape Deck	D2WSB	3	0.0374	156	0.261	1.520	0.000	-	4.22E-04	2.816E-04	1.408E-04
D2 Landscape Deck	D2WSB	4	0.0374	159	0.272	1.616	0.000	-	4.49E-04	2.992E-04	1.496E-04
D2 Landscape Deck	D2WSB	5	0.0374	162	0.272	1.646	0.000	-	4.57E-04	3.048E-04	1.524E-04
D2 Landscape Deck	D2WSB	6	0.0374	327	0.278	3.398	0.001	-	9.44E-04	6.293E-04	3.147E-04
D2 Landscape Deck	D2WSB	7	0.0374	497	0.276	5.122	0.001	-	1.42E-03	9.485E-04	4.743E-04
D2 Landscape Deck	D2WSB	8	0.0374	838	0.276	8.658	0.002	-	2.40E-03	1.603E-03	8.016E-04
D2 Landscape Deck	D2WSB	9	0.0374	1191	0.282	12.559	0.003	-	3.49E-03	2.326E-03	1.163E-03
D2 Landscape Deck	D2WSB	10	0.0374	1003	0.278	10.443	0.003	-	2.90E-03	1.934E-03	9.669E-04
D2 Landscape Deck	D2WSB	11	0.0374	819	0.276	8.445	0.002	-	2.35E-03	1.564E-03	7.820E-04
D2 Landscape Deck	D2WSB	12	0.0374	805	0.276	8.308	0.002	-	2.31E-03	1.538E-03	7.692E-04
D2 Landscape Deck	D2WSB	13	0.0374	788	0.273	8.034	0.002	-	2.23E-03	1.488E-03	7.439E-04
D2 Landscape Deck	D2WSB	14	0.0374	774	0.269	7.793	0.002	-	2.16E-03	1.443E-03	7.216E-04
D2 Landscape Deck	D2WSB	15	0.0374	911	0.267	9.092	0.003	-	2.53E-03	1.684E-03	8.419E-04
D2 Landscape Deck	D2WSB	16	0.0374	892	0.266	8.889	0.002	-	2.47E-03	1.646E-03	8.230E-04
D2 Landscape Deck	D2WSB	17	0.0374	875	0.266	8.689	0.002	-	2.41E-03	1.609E-03	8.046E-04
D2 Landscape Deck	D2WSB	18	0.0374	856	0.259	8.302	0.002	-	2.31E-03	1.537E-03	7.687E-04
D2 Landscape Deck	D2WSB	19	0.0374	976	0.260	9.495	0.003	-	2.64E-03	1.758E-03	8.792E-04
D2 Landscape Deck	D2WSB	20	0.0374	708	0.264	6.980	0.002	-	1.94E-03	1.293E-03	6.463E-04
D2 Landscape Deck	D2WSB	21	0.0374	575	0.256	5.506	0.002	-	1.53E-03	1.020E-03	5.099E-04
D2 Landscape Deck	D2WSB	22	0.0374	583	0.261	5.696	0.002	-	1.58E-03	1.055E-03	5.274E-04
D2 Landscape Deck	D2WSB	23	0.0374	443	0.259	4.285	0.001	-	1.19E-03	7.936E-04	3.968E-04
D2 Landscape Deck	D2WSB	24	0.0374	451	0.266	4.481	0.001	-	1.24E-03	8.297E-04	4.149E-04
CKR Slip Road	S3SB	1	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	2	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	3	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	4	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	5	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	6	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	7	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	8	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	9	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	10	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	11	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	12	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	13	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	14	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	16	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	17	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	18	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	19	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	20	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	21	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	22	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	23	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	24	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	1	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	2	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	3	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	4	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	5	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	6	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	7	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	8	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	9	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	10	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	11	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	12	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	13	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	14	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	15	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	16	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	17	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	18	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	19	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	20	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	21	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	22	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	23	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	24	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	1	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	2	1.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	3	2.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	4	3.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	5	4.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	6	5.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	7	6.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	8	7.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	9	8.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	11	10.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	12	11.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	13	12.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	2	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	3	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	4	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	5	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	6	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	7	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	8	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	9	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	10	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	11	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	12	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	13	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	14	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	15	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	16	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	17	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	18	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	19	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	20	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	21	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	22	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	23	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	24	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.000	-	0.000	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	742	0.342	311.775	0.087	-	4.33E-02	2.887E-02	1.443E-02
Kai Tak Tunnel	KTTE	2	1.23	737	0.343	310.819	0.086	-	4.32E-02	2.878E-02	1.439E-02
Kai Tak Tunnel	KTTE	3	1.23	369	0.345	156.709	0.044	-	2.18E-02	1.451E-02	7.255E-03
Kai Tak Tunnel	KTTE	4	1.23	367	0.347	156.739	0.044	-	2.18E-02	1.451E-02	7.256E-03
Kai Tak Tunnel	KTTE	5	1.23	362	0.348	154.821	0.043	-	2.15E-02	1.434E-02	7.168E-03
Kai Tak Tunnel	KTTE	6	1.23	715	0.343	301.529	0.084	-	4.19E-02	2.792E-02	1.396E-02
Kai Tak Tunnel	KTTE	7	1.23	1066	0.344	451.050	0.125	-	6.26E-02	4.176E-02	2.088E-02
Kai Tak Tunnel	KTTE	8	1.23	1765	0.351	762.297	0.212	-	1.06E-01	7.058E-02	3.529E-02
Kai Tak Tunnel	KTTE	9	1.23	2447	0.379	1140.907	0.317	-	1.58E-01	1.056E-01	5.282E-02
Kai Tak Tunnel	KTTE	10	1.23	2123	0.357	932.224	0.259	-	1.29E-01	8.632E-02	4.316E-02
Kai Tak Tunnel	KTTE	11	1.23	1790	0.349	768.209	0.213	-	1.07E-01	7.113E-02	3.557E-02
Kai Tak Tunnel	KTTE	12	1.23	1806	0.347	769.941	0.214	-	1.07E-01	7.129E-02	3.565E-02
Kai Tak Tunnel	KTTE	13	1.23	1828	0.353	794.325	0.221	-	1.10E-01	7.355E-02	3.677E-02
Kai Tak Tunnel	KTTE	14	1.23	1848	0.352	800.192	0.222	-	1.11E-01	7.409E-02	3.705E-02
Kai Tak Tunnel	KTTE	15	1.23	2239	0.358	986.652	0.274	-	1.37E-01	9.136E-02	4.568E-02
Kai Tak Tunnel	KTTE	16	1.23	2263	0.356	991.894	0.276	-	1.38E-01	9.184E-02	4.592E-02
Kai Tak Tunnel	KTTE	17	1.23	2289	0.355	999.938	0.278	-	1.39E-01	9.259E-02	4.629E-02
Kai Tak Tunnel	KTTE	18	1.23	2311	0.355	1008.509	0.280	-	1.40E-01	9.338E-02	4.669E-02
Kai Tak Tunnel	KTTE	19	1.23	2721	0.353	1183.090	0.329	-	1.64E-01	1.095E-01	5.477E-02
Kai Tak Tunnel	KTTE	20	1.23	1932	0.353	839.524	0.233	-	1.17E-01	7.773E-02	3.887E-02
Kai Tak Tunnel	KTTE	21	1.23	1532	0.336	633.389	0.176	-	8.80E-02	5.865E-02	2.932E-02
Kai Tak Tunnel	KTTE	22	1.23	1521	0.337	630.590	0.175	-	8.76E-02	5.839E-02	2.919E-02
Kai Tak Tunnel	KTTE	23	1.23	1133	0.338	470.703	0.131	-	6.54E-02	4.358E-02	2.179E-02
Kai Tak Tunnel	KTTE	24	1.23	1125	0.339	469.415	0.130	-	6.52E-02	4.346E-02	2.173E-02
Kai Tak Tunnel	KTTW	1	1.23	737	0.422	382.155	0.106	-	5.31E-02	3.538E-02	1.769E-02
Kai Tak Tunnel	KTTW	2	1.23	746	0.422	387.300	0.108	-	5.38E-02	3.586E-02	1.793E-02
Kai Tak Tunnel	KTTW	3	1.23	375	0.415	191.646	0.053	-	2.66E-02	1.775E-02	8.873E-03
Kai Tak Tunnel	KTTW	4	1.23	378	0.421	195.803	0.054	-	2.72E-02	1.813E-02	9.065E-03
Kai Tak Tunnel	KTTW	5	1.23	383	0.426	200.687	0.056	-	2.79E-02	1.858E-02	9.291E-03
Kai Tak Tunnel	KTTW	6	1.23	773	0.425	404.031	0.112	-	5.61E-02	3.741E-02	1.871E-02
Kai Tak Tunnel	KTTW	7	1.23	1170	0.425	611.644	0.170	-	8.50E-02	5.663E-02	2.832E-02
Kai Tak Tunnel	KTTW	8	1.23	1972	0.437	1058.890	0.294	-	1.47E-01	9.805E-02	4.902E-02
Kai Tak Tunnel	KTTW	9	1.23	2785	0.474	1622.569	0.451	-	2.25E-01	1.502E-01	7.512E-02
Kai Tak Tunnel	KTTW	10	1.23	2357	0.445	1289.324	0.358	-	1.79E-01	1.194E-01	5.969E-02
Kai Tak Tunnel	KTTW	11	1.23	1936	0.430	1023.536	0.284	-	1.42E-01	9.477E-02	4.739E-02
Kai Tak Tunnel	KTTW	12	1.23	1915	0.433	1019.555	0.283	-	1.42E-01	9.440E-02	4.720E-02
Kai Tak Tunnel	KTTW	13	1.23	1887	0.437	1015.402	0.282	-	1.41E-01	9.402E-02	4.701E-02
Kai Tak Tunnel	KTTW	14	1.23	1863	0.437	1000.664	0.278	-	1.39E-01	9.265E-02	4.633E-02
Kai Tak Tunnel	KTTW	15	1.23	2207	0.443	1203.701	0.334	-	1.67E-01	1.115E-01	5.573E-02
Kai Tak Tunnel	KTTW	16	1.23	2177	0.441	1180.916	0.328	-	1.64E-01	1.093E-01	5.467E-02
Kai Tak Tunnel	KTTW	17	1.23	2147	0.439	1158.294	0.322	-	1.61E-01	1.072E-01	5.362E-02
Kai Tak Tunnel	KTTW	18	1.23	2116	0.436	1134.202	0.315	-	1.58E-01	1.050E-01	5.251E-02
Kai Tak Tunnel	KTTW	19	1.23	2434	0.435	1303.119	0.362	-	1.81E-01	1.207E-01	6.033E-02
Kai Tak Tunnel	KTTW	20	1.23	1757	0.431	931.338	0.259	-	1.29E-01	8.623E-02	4.312E-02
Kai Tak Tunnel	KTTW	21	1.23	1419	0.416	725.840	0.202	-	1.01E-01	6.721E-02	3.360E-02
Kai Tak Tunnel	KTTW	22	1.23	1434	0.416	734.373	0.204	-	1.02E-01	6.800E-02	3.400E-02
Kai Tak Tunnel	KTTW	23	1.23	1085	0.415	553.306	0.154	-	7.68E-02	5.123E-02	2.562E-02
Kai Tak Tunnel	KTTW	24	1.23	1097	0.418	563.386	0.156	-	7.82E-02	5.217E-02	2.608E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	9.64E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	9.70E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	4.84E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	4.90E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	4.94E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	9.80E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.48E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	2.53E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	3.84E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	3.09E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	2.49E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	2.49E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	2.51E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	2.50E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	3.04E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	3.02E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	3.00E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.98E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	3.45E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	2.46E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.89E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.90E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.42E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.43E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	236	0.284	8.368	0.002	-	2.32E-03	1.550E-03	7.748E-04
D2 Landscape Deck	D2ENB	2	0.125	233	0.285	8.307	0.002	-	2.31E-03	1.538E-03	7.691E-04
D2 Landscape Deck	D2ENB	3	0.125	112	0.267	3.740	0.001	-	1.04E-03	6.926E-04	3.463E-04
D2 Landscape Deck	D2ENB	4	0.125	111	0.269	3.737	0.001	-	1.04E-03	6.921E-04	3.460E-04
D2 Landscape Deck	D2ENB	5	0.125	110	0.272	3.742	0.001	-	1.04E-03	6.930E-04	3.465E-04
D2 Landscape Deck	D2ENB	6	0.125	222	0.296	8.204	0.002	-	2.28E-03	1.519E-03	7.596E-04
D2 Landscape Deck	D2ENB	7	0.125	327	0.292	11.953	0.003	-	3.32E-03	2.214E-03	1.107E-03
D2 Landscape Deck	D2ENB	8	0.125	537	0.290	19.478	0.005	-	5.41E-03	3.607E-03	1.803E-03
D2 Landscape Deck	D2ENB	9	0.125	744	0.292	27.122	0.008	-	7.53E-03	5.023E-03	2.511E-03
D2 Landscape Deck	D2ENB	10	0.125	650	0.289	23.446	0.007	-	6.51E-03	4.342E-03	2.171E-03
D2 Landscape Deck	D2ENB	11	0.125	551	0.288	19.841	0.006	-	5.51E-03	3.674E-03	1.837E-03
D2 Landscape Deck	D2ENB	12	0.125	563	0.288	20.277	0.006	-	5.63E-03	3.755E-03	1.878E-03
D2 Landscape Deck	D2ENB	13	0.125	572	0.286	20.422	0.006	-	5.67E-03	3.782E-03	1.891E-03
D2 Landscape Deck	D2ENB	14	0.125	582	0.283	20.597	0.006	-	5.72E-03	3.814E-03	1.907E-03
D2 Landscape Deck	D2ENB	15	0.125	710	0.279	24.732	0.007	-	6.87E-03	4.580E-03	2.290E-03
D2 Landscape Deck	D2ENB	16	0.125	724	0.276	25.001	0.007	-	6.94E-03	4.630E-03	2.315E-03
D2 Landscape Deck	D2ENB	17	0.125	734	0.268	24.569	0.007	-	6.82E-03	4.550E-03	2.275E-03
D2 Landscape Deck	D2ENB	18	0.125	745	0.267	24.858	0.007	-	6.90E-03	4.603E-03	2.302E-03
D2 Landscape Deck	D2ENB	19	0.125	885	0.267	29.525	0.008	-	8.20E-03	5.468E-03	2.734E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	625	0.268	20.974	0.006	-	5.83E-03	3.884E-03	1.942E-03
D2 Landscape Deck	D2ENB	21	0.125	495	0.272	16.799	0.005	-	4.67E-03	3.111E-03	1.555E-03
D2 Landscape Deck	D2ENB	22	0.125	489	0.273	16.687	0.005	-	4.64E-03	3.090E-03	1.545E-03
D2 Landscape Deck	D2ENB	23	0.125	361	0.276	12.442	0.003	-	3.46E-03	2.304E-03	1.152E-03
D2 Landscape Deck	D2ENB	24	0.125	357	0.278	12.408	0.003	-	3.45E-03	2.298E-03	1.149E-03
D2 Landscape Deck	D2MSB	1	0.125	255	0.262	8.342	0.002	-	2.32E-03	1.545E-03	7.724E-04
D2 Landscape Deck	D2MSB	2	0.125	260	0.261	8.497	0.002	-	2.36E-03	1.574E-03	7.868E-04
D2 Landscape Deck	D2MSB	3	0.125	133	0.258	4.284	0.001	-	1.19E-03	7.934E-04	3.967E-04
D2 Landscape Deck	D2MSB	4	0.125	137	0.261	4.473	0.001	-	1.24E-03	8.283E-04	4.141E-04
D2 Landscape Deck	D2MSB	5	0.125	139	0.261	4.529	0.001	-	1.26E-03	8.387E-04	4.193E-04
D2 Landscape Deck	D2MSB	6	0.125	282	0.264	9.316	0.003	-	2.59E-03	1.725E-03	8.626E-04
D2 Landscape Deck	D2MSB	7	0.125	436	0.277	15.075	0.004	-	4.19E-03	2.792E-03	1.396E-03
D2 Landscape Deck	D2MSB	8	0.125	742	0.279	25.866	0.007	-	7.18E-03	4.790E-03	2.395E-03
D2 Landscape Deck	D2MSB	9	0.125	1058	0.277	36.687	0.010	-	1.02E-02	6.794E-03	3.397E-03
D2 Landscape Deck	D2MSB	10	0.125	884	0.277	30.624	0.009	-	8.51E-03	5.671E-03	2.836E-03
D2 Landscape Deck	D2MSB	11	0.125	714	0.273	24.376	0.007	-	6.77E-03	4.514E-03	2.257E-03
D2 Landscape Deck	D2MSB	12	0.125	694	0.272	23.558	0.007	-	6.54E-03	4.363E-03	2.181E-03
D2 Landscape Deck	D2MSB	13	0.125	673	0.273	22.925	0.006	-	6.37E-03	4.245E-03	2.123E-03
D2 Landscape Deck	D2MSB	14	0.125	652	0.264	21.553	0.006	-	5.99E-03	3.991E-03	1.996E-03
D2 Landscape Deck	D2MSB	15	0.125	756	0.261	24.618	0.007	-	6.84E-03	4.559E-03	2.279E-03
D2 Landscape Deck	D2MSB	16	0.125	732	0.261	23.887	0.007	-	6.64E-03	4.424E-03	2.212E-03
D2 Landscape Deck	D2MSB	17	0.125	706	0.254	22.402	0.006	-	6.22E-03	4.149E-03	2.074E-03
D2 Landscape Deck	D2MSB	18	0.125	683	0.250	21.302	0.006	-	5.92E-03	3.945E-03	1.972E-03
D2 Landscape Deck	D2MSB	19	0.125	767	0.249	23.902	0.007	-	6.64E-03	4.426E-03	2.213E-03
D2 Landscape Deck	D2MSB	20	0.125	563	0.246	17.305	0.005	-	4.81E-03	3.205E-03	1.602E-03
D2 Landscape Deck	D2MSB	21	0.125	463	0.255	14.761	0.004	-	4.10E-03	2.733E-03	1.367E-03
D2 Landscape Deck	D2MSB	22	0.125	475	0.258	15.325	0.004	-	4.26E-03	2.838E-03	1.419E-03
D2 Landscape Deck	D2MSB	23	0.125	365	0.258	11.759	0.003	-	3.27E-03	2.178E-03	1.089E-03
D2 Landscape Deck	D2MSB	24	0.125	372	0.259	12.063	0.003	-	3.35E-03	2.234E-03	1.117E-03
D2 Landscape Deck	D2MNB	1	0.0374	249	0.257	2.394	0.001	-	6.65E-04	4.433E-04	2.217E-04
D2 Landscape Deck	D2MNB	2	0.0374	243	0.262	2.382	0.001	-	6.62E-04	4.410E-04	2.205E-04
D2 Landscape Deck	D2MNB	3	0.0374	118	0.260	1.148	0.000	-	3.19E-04	2.126E-04	1.063E-04
D2 Landscape Deck	D2MNB	4	0.0374	114	0.263	1.120	0.000	-	3.11E-04	2.074E-04	1.037E-04
D2 Landscape Deck	D2MNB	5	0.0374	111	0.269	1.116	0.000	-	3.10E-04	2.067E-04	1.034E-04
D2 Landscape Deck	D2MNB	6	0.0374	216	0.277	2.239	0.001	-	6.22E-04	4.146E-04	2.073E-04
D2 Landscape Deck	D2MNB	7	0.0374	314	0.282	3.316	0.001	-	9.21E-04	6.141E-04	3.071E-04
D2 Landscape Deck	D2MNB	8	0.0374	505	0.277	5.236	0.001	-	1.45E-03	9.696E-04	4.848E-04
D2 Landscape Deck	D2MNB	9	0.0374	687	0.288	7.390	0.002	-	2.05E-03	1.369E-03	6.843E-04
D2 Landscape Deck	D2MNB	10	0.0374	613	0.274	6.283	0.002	-	1.75E-03	1.164E-03	5.818E-04
D2 Landscape Deck	D2MNB	11	0.0374	535	0.273	5.471	0.002	-	1.52E-03	1.013E-03	5.066E-04
D2 Landscape Deck	D2MNB	12	0.0374	560	0.272	5.692	0.002	-	1.58E-03	1.054E-03	5.270E-04
D2 Landscape Deck	D2MNB	13	0.0374	583	0.276	5.817	0.002	-	1.62E-03	1.077E-03	5.386E-04
D2 Landscape Deck	D2MNB	14	0.0374	606	0.263	5.950	0.002	-	1.65E-03	1.102E-03	5.509E-04
D2 Landscape Deck	D2MNB	15	0.0374	754	0.254	7.150	0.002	-	1.99E-03	1.324E-03	6.620E-04
D2 Landscape Deck	D2MNB	16	0.0374	781	0.248	7.257	0.002	-	2.02E-03	1.344E-03	6.719E-04
D2 Landscape Deck	D2MNB	17	0.0374	809	0.243	7.347	0.002	-	2.04E-03	1.361E-03	6.803E-04
D2 Landscape Deck	D2MNB	18	0.0374	836	0.240	7.494	0.002	-	2.08E-03	1.388E-03	6.939E-04
D2 Landscape Deck	D2MNB	19	0.0374	1007	0.236	8.905	0.002	-	2.47E-03	1.649E-03	8.246E-04
D2 Landscape Deck	D2MNB	20	0.0374	703	0.236	6.204	0.002	-	1.72E-03	1.149E-03	5.745E-04
D2 Landscape Deck	D2MNB	21	0.0374	549	0.238	4.896	0.001	-	1.36E-03	9.067E-04	4.533E-04
D2 Landscape Deck	D2MNB	22	0.0374	537	0.242	4.854	0.001	-	1.35E-03	8.989E-04	4.494E-04
D2 Landscape Deck	D2MNB	23	0.0374	392	0.243	3.567	0.001	-	9.91E-04	6.606E-04	3.303E-04
D2 Landscape Deck	D2MNB	24	0.0374	383	0.252	3.608	0.001	-	1.00E-03	6.682E-04	3.341E-04
D2 Landscape Deck	D2WSB	1	0.0374	257	0.262	2.514	0.001	-	6.98E-04	4.655E-04	2.328E-04
D2 Landscape Deck	D2WSB	2	0.0374	262	0.261	2.560	0.001	-	7.11E-04	4.741E-04	2.371E-04
D2 Landscape Deck	D2WSB	3	0.0374	133	0.258	1.286	0.000	-	3.57E-04	2.381E-04	1.191E-04
D2 Landscape Deck	D2WSB	4	0.0374	137	0.261	1.338	0.000	-	3.72E-04	2.478E-04	1.239E-04
D2 Landscape Deck	D2WSB	5	0.0374	139	0.261	1.355	0.000	-	3.76E-04	2.509E-04	1.255E-04
D2 Landscape Deck	D2WSB	6	0.0374	282	0.269	2.834	0.001	-	7.87E-04	5.247E-04	2.624E-04
D2 Landscape Deck	D2WSB	7	0.0374	431	0.278	4.485	0.001	-	1.25E-03	8.306E-04	4.153E-04
D2 Landscape Deck	D2WSB	8	0.0374	728	0.276	7.507	0.002	-	2.09E-03	1.390E-03	6.951E-04
D2 Landscape Deck	D2WSB	9	0.0374	1038	0.278	10.800	0.003	-	3.00E-03	2.000E-03	1.000E-03
D2 Landscape Deck	D2WSB	10	0.0374	871	0.279	9.077	0.003	-	2.52E-03	1.681E-03	8.405E-04
D2 Landscape Deck	D2WSB	11	0.0374	708	0.273	7.238	0.002	-	2.01E-03	1.340E-03	6.702E-04
D2 Landscape Deck	D2WSB	12	0.0374	692	0.276	7.140	0.002	-	1.98E-03	1.322E-03	6.611E-04
D2 Landscape Deck	D2WSB	13	0.0374	673	0.274	6.899	0.002	-	1.92E-03	1.278E-03	6.388E-04
D2 Landscape Deck	D2WSB	14	0.0374	656	0.266	6.528	0.002	-	1.81E-03	1.209E-03	6.044E-04
D2 Landscape Deck	D2WSB	15	0.0374	770	0.268	7.723	0.002	-	2.15E-03	1.430E-03	7.151E-04
D2 Landscape Deck	D2WSB	16	0.0374	751	0.266	7.469	0.002	-	2.07E-03	1.383E-03	6.916E-04
D2 Landscape Deck	D2WSB	17	0.0374	731	0.266	7.277	0.002	-	2.02E-03	1.348E-03	6.738E-04
D2 Landscape Deck	D2WSB	18	0.0374	709	0.256	6.782	0.002	-	1.88E-03	1.256E-03	6.280E-04
D2 Landscape Deck	D2WSB	19	0.0374	807	0.259	7.818	0.002	-	2.17E-03	1.448E-03	7.239E-04
D2 Landscape Deck	D2WSB	20	0.0374	586	0.255	5.580	0.002	-	1.55E-03	1.033E-03	5.167E-04
D2 Landscape Deck	D2WSB	21	0.0374	481	0.265	4.760	0.001	-	1.32E-03	8.814E-04	4.407E-04
D2 Landscape Deck	D2WSB	22	0.0374	489	0.263	4.816	0.001	-	1.34E-03	8.919E-04	4.460E-04
D2 Landscape Deck	D2WSB	23	0.0374	374	0.262	3.668	0.001	-	1.02E-03	6.793E-04	3.397E-04
D2 Landscape Deck	D2WSB	24	0.0374	381	0.266	3.797	0.001	-	1.05E-03	7.031E-04	3.515E-04
CKR Slip Road	S3SB	1	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	2	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	3	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	4	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	5	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	6	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	7	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	8	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	9	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	10	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	11	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	12	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	13	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	14	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	16	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	17	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	18	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	19	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	20	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	21	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	22	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	23	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	24	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	1	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	2	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	3	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	4	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	5	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	6	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	7	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	8	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	9	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	10	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	11	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	12	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	13	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	14	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	15	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	16	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	17	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	18	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	19	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	20	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	21	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	22	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	23	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	24	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	1	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	2	1.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	3	2.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	4	3.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	5	4.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	6	5.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	7	6.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	8	7.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	9	8.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	11	10.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	12	11.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	13	12.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009)
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	2	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	3	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	4	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	5	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	6	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	7	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	8	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	9	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	10	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	11	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	12	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	13	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	14	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	15	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	16	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	17	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	18	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	19	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	20	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	21	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	22	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	23	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	24	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.000	-	0.000	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	742	0.342	311.873	0.087	-	4.33E-02	2.888E-02	1.444E-02
Kai Tak Tunnel	KTTE	2	1.23	737	0.343	310.895	0.086	-	4.32E-02	2.879E-02	1.439E-02
Kai Tak Tunnel	KTTE	3	1.23	369	0.345	156.707	0.044	-	2.18E-02	1.451E-02	7.255E-03
Kai Tak Tunnel	KTTE	4	1.23	367	0.347	156.767	0.044	-	2.18E-02	1.452E-02	7.258E-03
Kai Tak Tunnel	KTTE	5	1.23	362	0.348	154.827	0.043	-	2.15E-02	1.434E-02	7.168E-03
Kai Tak Tunnel	KTTE	6	1.23	715	0.343	301.644	0.084	-	4.19E-02	2.793E-02	1.396E-02
Kai Tak Tunnel	KTTE	7	1.23	1066	0.344	451.151	0.125	-	6.27E-02	4.177E-02	2.089E-02
Kai Tak Tunnel	KTTE	8	1.23	1765	0.351	762.415	0.212	-	1.06E-01	7.059E-02	3.530E-02
Kai Tak Tunnel	KTTE	9	1.23	2447	0.379	1140.835	0.317	-	1.58E-01	1.056E-01	5.282E-02
Kai Tak Tunnel	KTTE	10	1.23	2123	0.357	932.752	0.259	-	1.30E-01	8.637E-02	4.318E-02
Kai Tak Tunnel	KTTE	11	1.23	1790	0.349	768.288	0.213	-	1.07E-01	7.114E-02	3.557E-02
Kai Tak Tunnel	KTTE	12	1.23	1806	0.347	769.992	0.214	-	1.07E-01	7.130E-02	3.565E-02
Kai Tak Tunnel	KTTE	13	1.23	1828	0.353	794.412	0.221	-	1.10E-01	7.356E-02	3.678E-02
Kai Tak Tunnel	KTTE	14	1.23	1848	0.352	800.250	0.222	-	1.11E-01	7.410E-02	3.705E-02
Kai Tak Tunnel	KTTE	15	1.23	2239	0.358	986.707	0.274	-	1.37E-01	9.136E-02	4.568E-02
Kai Tak Tunnel	KTTE	16	1.23	2263	0.356	991.933	0.276	-	1.38E-01	9.185E-02	4.592E-02
Kai Tak Tunnel	KTTE	17	1.23	2289	0.355	999.965	0.278	-	1.39E-01	9.259E-02	4.629E-02
Kai Tak Tunnel	KTTE	18	1.23	2311	0.355	1008.550	0.280	-	1.40E-01	9.338E-02	4.669E-02
Kai Tak Tunnel	KTTE	19	1.23	2721	0.354	1183.816	0.329	-	1.64E-01	1.096E-01	5.481E-02
Kai Tak Tunnel	KTTE	20	1.23	1932	0.353	839.782	0.233	-	1.17E-01	7.776E-02	3.888E-02
Kai Tak Tunnel	KTTE	21	1.23	1532	0.336	633.585	0.176	-	8.80E-02	5.867E-02	2.933E-02
Kai Tak Tunnel	KTTE	22	1.23	1521	0.337	630.801	0.175	-	8.76E-02	5.841E-02	2.920E-02
Kai Tak Tunnel	KTTE	23	1.23	1133	0.338	471.356	0.131	-	6.55E-02	4.364E-02	2.182E-02
Kai Tak Tunnel	KTTE	24	1.23	1125	0.340	470.033	0.131	-	6.53E-02	4.352E-02	2.176E-02
Kai Tak Tunnel	KTTW	1	1.23	737	0.422	382.284	0.106	-	5.31E-02	3.540E-02	1.770E-02
Kai Tak Tunnel	KTTW	2	1.23	746	0.422	387.409	0.108	-	5.38E-02	3.587E-02	1.794E-02
Kai Tak Tunnel	KTTW	3	1.23	375	0.415	191.637	0.053	-	2.66E-02	1.774E-02	8.872E-03
Kai Tak Tunnel	KTTW	4	1.23	378	0.421	195.839	0.054	-	2.72E-02	1.813E-02	9.067E-03
Kai Tak Tunnel	KTTW	5	1.23	383	0.426	200.689	0.056	-	2.79E-02	1.858E-02	9.291E-03
Kai Tak Tunnel	KTTW	6	1.23	773	0.425	404.183	0.112	-	5.61E-02	3.742E-02	1.871E-02
Kai Tak Tunnel	KTTW	7	1.23	1170	0.425	611.791	0.170	-	8.50E-02	5.665E-02	2.832E-02
Kai Tak Tunnel	KTTW	8	1.23	1972	0.437	1059.048	0.294	-	1.47E-01	9.806E-02	4.903E-02
Kai Tak Tunnel	KTTW	9	1.23	2785	0.474	1622.468	0.451	-	2.25E-01	1.502E-01	7.511E-02
Kai Tak Tunnel	KTTW	10	1.23	2357	0.445	1290.068	0.358	-	1.79E-01	1.195E-01	5.973E-02
Kai Tak Tunnel	KTTW	11	1.23	1936	0.430	1023.642	0.284	-	1.42E-01	9.478E-02	4.739E-02
Kai Tak Tunnel	KTTW	12	1.23	1915	0.433	1019.614	0.283	-	1.42E-01	9.441E-02	4.720E-02
Kai Tak Tunnel	KTTW	13	1.23	1887	0.438	1015.519	0.282	-	1.41E-01	9.403E-02	4.701E-02
Kai Tak Tunnel	KTTW	14	1.23	1863	0.437	1000.736	0.278	-	1.39E-01	9.266E-02	4.633E-02
Kai Tak Tunnel	KTTW	15	1.23	2207	0.443	1203.771	0.334	-	1.67E-01	1.115E-01	5.573E-02
Kai Tak Tunnel	KTTW	16	1.23	2177	0.441	1180.966	0.328	-	1.64E-01	1.093E-01	5.467E-02
Kai Tak Tunnel	KTTW	17	1.23	2147	0.439	1158.320	0.322	-	1.61E-01	1.073E-01	5.363E-02
Kai Tak Tunnel	KTTW	18	1.23	2116	0.436	1134.255	0.315	-	1.58E-01	1.050E-01	5.251E-02
Kai Tak Tunnel	KTTW	19	1.23	2434	0.436	1303.925	0.362	-	1.81E-01	1.207E-01	6.037E-02
Kai Tak Tunnel	KTTW	20	1.23	1757	0.431	931.612	0.259	-	1.29E-01	8.626E-02	4.313E-02
Kai Tak Tunnel	KTTW	21	1.23	1419	0.416	726.047	0.202	-	1.01E-01	6.723E-02	3.361E-02
Kai Tak Tunnel	KTTW	22	1.23	1434	0.416	734.596	0.204	-	1.02E-01	6.802E-02	3.401E-02
Kai Tak Tunnel	KTTW	23	1.23	1085	0.415	554.083	0.154	-	7.70E-02	5.130E-02	2.565E-02
Kai Tak Tunnel	KTTW	24	1.23	1097	0.418	564.133	0.157	-	7.84E-02	5.223E-02	2.612E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	9.64E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	9.70E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	4.84E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	4.90E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	4.94E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	9.80E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.48E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	2.53E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	3.84E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	3.09E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	2.49E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	2.49E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	2.51E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	2.50E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	3.04E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	3.02E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	3.00E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.98E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	3.46E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	2.46E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.89E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.90E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.42E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.44E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	267	0.276	9.196	0.003	-	2.55E-03	1.703E-03	8.515E-04
D2 Landscape Deck	D2ENB	2	0.125	262	0.278	9.088	0.003	-	2.52E-03	1.683E-03	8.415E-04
D2 Landscape Deck	D2ENB	3	0.125	130	0.272	4.412	0.001	-	1.23E-03	8.171E-04	4.085E-04
D2 Landscape Deck	D2ENB	4	0.125	128	0.272	4.350	0.001	-	1.21E-03	8.056E-04	4.028E-04
D2 Landscape Deck	D2ENB	5	0.125	125	0.276	4.309	0.001	-	1.20E-03	7.979E-04	3.989E-04
D2 Landscape Deck	D2ENB	6	0.125	248	0.285	8.841	0.002	-	2.46E-03	1.637E-03	8.186E-04
D2 Landscape Deck	D2ENB	7	0.125	363	0.283	12.842	0.004	-	3.57E-03	2.378E-03	1.189E-03
D2 Landscape Deck	D2ENB	8	0.125	598	0.289	21.598	0.006	-	6.00E-03	4.000E-03	2.000E-03
D2 Landscape Deck	D2ENB	9	0.125	822	0.290	29.848	0.008	-	8.29E-03	5.527E-03	2.764E-03
D2 Landscape Deck	D2ENB	10	0.125	722	0.286	25.822	0.007	-	7.17E-03	4.782E-03	2.391E-03
D2 Landscape Deck	D2ENB	11	0.125	616	0.284	21.876	0.006	-	6.08E-03	4.051E-03	2.026E-03
D2 Landscape Deck	D2ENB	12	0.125	629	0.282	22.150	0.006	-	6.15E-03	4.102E-03	2.051E-03
D2 Landscape Deck	D2ENB	13	0.125	644	0.280	22.557	0.006	-	6.27E-03	4.177E-03	2.089E-03
D2 Landscape Deck	D2ENB	14	0.125	658	0.280	23.056	0.006	-	6.40E-03	4.270E-03	2.135E-03
D2 Landscape Deck	D2ENB	15	0.125	804	0.275	27.675	0.008	-	7.69E-03	5.125E-03	2.563E-03
D2 Landscape Deck	D2ENB	16	0.125	821	0.273	27.980	0.008	-	7.77E-03	5.181E-03	2.591E-03
D2 Landscape Deck	D2ENB	17	0.125	839	0.271	28.411	0.008	-	7.89E-03	5.261E-03	2.631E-03
D2 Landscape Deck	D2ENB	18	0.125	854	0.267	28.553	0.008	-	7.93E-03	5.288E-03	2.644E-03
D2 Landscape Deck	D2ENB	19	0.125	1338	0.270	45.099	0.013	-	1.25E-02	8.352E-03	4.176E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	1037	0.269	34.858	0.010	-	9.68E-03	6.455E-03	3.228E-03
D2 Landscape Deck	D2ENB	21	0.125	566	0.268	18.976	0.005	-	5.27E-03	3.514E-03	1.757E-03
D2 Landscape Deck	D2ENB	22	0.125	558	0.269	18.773	0.005	-	5.21E-03	3.477E-03	1.738E-03
D2 Landscape Deck	D2ENB	23	0.125	599	0.268	20.068	0.006	-	5.57E-03	3.716E-03	1.858E-03
D2 Landscape Deck	D2ENB	24	0.125	593	0.270	19.980	0.006	-	5.55E-03	3.700E-03	1.850E-03
D2 Landscape Deck	D2MSB	1	0.125	287	0.251	9.003	0.003	-	2.50E-03	1.667E-03	8.336E-04
D2 Landscape Deck	D2MSB	2	0.125	292	0.249	9.105	0.003	-	2.53E-03	1.686E-03	8.431E-04
D2 Landscape Deck	D2MSB	3	0.125	150	0.252	4.719	0.001	-	1.31E-03	8.739E-04	4.370E-04
D2 Landscape Deck	D2MSB	4	0.125	152	0.251	4.768	0.001	-	1.32E-03	8.829E-04	4.414E-04
D2 Landscape Deck	D2MSB	5	0.125	155	0.251	4.869	0.001	-	1.35E-03	9.017E-04	4.509E-04
D2 Landscape Deck	D2MSB	6	0.125	319	0.280	11.155	0.003	-	3.10E-03	2.066E-03	1.033E-03
D2 Landscape Deck	D2MSB	7	0.125	489	0.277	16.928	0.005	-	4.70E-03	3.135E-03	1.567E-03
D2 Landscape Deck	D2MSB	8	0.125	830	0.277	28.786	0.008	-	8.00E-03	5.331E-03	2.665E-03
D2 Landscape Deck	D2MSB	9	0.125	1181	0.280	41.351	0.011	-	1.15E-02	7.658E-03	3.829E-03
D2 Landscape Deck	D2MSB	10	0.125	987	0.276	34.106	0.009	-	9.47E-03	6.316E-03	3.158E-03
D2 Landscape Deck	D2MSB	11	0.125	802	0.274	27.461	0.008	-	7.63E-03	5.085E-03	2.543E-03
D2 Landscape Deck	D2MSB	12	0.125	781	0.274	26.720	0.007	-	7.42E-03	4.948E-03	2.474E-03
D2 Landscape Deck	D2MSB	13	0.125	758	0.268	25.393	0.007	-	7.05E-03	4.702E-03	2.351E-03
D2 Landscape Deck	D2MSB	14	0.125	736	0.264	24.322	0.007	-	6.76E-03	4.504E-03	2.252E-03
D2 Landscape Deck	D2MSB	15	0.125	860	0.264	28.348	0.008	-	7.87E-03	5.250E-03	2.625E-03
D2 Landscape Deck	D2MSB	16	0.125	836	0.262	27.393	0.008	-	7.61E-03	5.073E-03	2.536E-03
D2 Landscape Deck	D2MSB	17	0.125	810	0.254	25.706	0.007	-	7.14E-03	4.760E-03	2.380E-03
D2 Landscape Deck	D2MSB	18	0.125	784	0.251	24.598	0.007	-	6.83E-03	4.555E-03	2.278E-03
D2 Landscape Deck	D2MSB	19	0.125	1048	0.250	32.725	0.009	-	9.09E-03	6.060E-03	3.030E-03
D2 Landscape Deck	D2MSB	20	0.125	809	0.249	25.200	0.007	-	7.00E-03	4.667E-03	2.333E-03
D2 Landscape Deck	D2MSB	21	0.125	531	0.252	16.715	0.005	-	4.64E-03	3.095E-03	1.548E-03
D2 Landscape Deck	D2MSB	22	0.125	541	0.251	16.954	0.005	-	4.71E-03	3.140E-03	1.570E-03
D2 Landscape Deck	D2MSB	23	0.125	763	0.255	24.283	0.007	-	6.75E-03	4.497E-03	2.248E-03
D2 Landscape Deck	D2MSB	24	0.125	770	0.255	24.502	0.007	-	6.81E-03	4.537E-03	2.269E-03
D2 Landscape Deck	D2MNB	1	0.0374	290	0.247	2.679	0.001	-	7.44E-04	4.961E-04	2.480E-04
D2 Landscape Deck	D2MNB	2	0.0374	284	0.251	2.667	0.001	-	7.41E-04	4.939E-04	2.470E-04
D2 Landscape Deck	D2MNB	3	0.0374	138	0.256	1.323	0.000	-	3.67E-04	2.450E-04	1.225E-04
D2 Landscape Deck	D2MNB	4	0.0374	133	0.255	1.270	0.000	-	3.53E-04	2.352E-04	1.176E-04
D2 Landscape Deck	D2MNB	5	0.0374	129	0.253	1.223	0.000	-	3.40E-04	2.264E-04	1.132E-04
D2 Landscape Deck	D2MNB	6	0.0374	253	0.268	2.531	0.001	-	7.03E-04	4.688E-04	2.344E-04
D2 Landscape Deck	D2MNB	7	0.0374	370	0.274	3.791	0.001	-	1.05E-03	7.020E-04	3.510E-04
D2 Landscape Deck	D2MNB	8	0.0374	598	0.280	6.261	0.002	-	1.74E-03	1.159E-03	5.797E-04
D2 Landscape Deck	D2MNB	9	0.0374	812	0.286	8.691	0.002	-	2.41E-03	1.609E-03	8.047E-04
D2 Landscape Deck	D2MNB	10	0.0374	729	0.280	7.622	0.002	-	2.12E-03	1.411E-03	7.057E-04
D2 Landscape Deck	D2MNB	11	0.0374	631	0.268	6.329	0.002	-	1.76E-03	1.172E-03	5.860E-04
D2 Landscape Deck	D2MNB	12	0.0374	657	0.265	6.514	0.002	-	1.81E-03	1.206E-03	6.032E-04
D2 Landscape Deck	D2MNB	13	0.0374	684	0.269	6.874	0.002	-	1.91E-03	1.273E-03	6.365E-04
D2 Landscape Deck	D2MNB	14	0.0374	708	0.261	6.923	0.002	-	1.92E-03	1.282E-03	6.411E-04
D2 Landscape Deck	D2MNB	15	0.0374	879	0.254	8.366	0.002	-	2.32E-03	1.549E-03	7.747E-04
D2 Landscape Deck	D2MNB	16	0.0374	911	0.249	8.489	0.002	-	2.36E-03	1.572E-03	7.860E-04
D2 Landscape Deck	D2MNB	17	0.0374	941	0.244	8.597	0.002	-	2.39E-03	1.592E-03	7.960E-04
D2 Landscape Deck	D2MNB	18	0.0374	969	0.238	8.625	0.002	-	2.40E-03	1.597E-03	7.986E-04
D2 Landscape Deck	D2MNB	19	0.0374	1608	0.238	14.327	0.004	-	3.98E-03	2.653E-03	1.327E-03
D2 Landscape Deck	D2MNB	20	0.0374	1253	0.235	11.029	0.003	-	3.06E-03	2.042E-03	1.021E-03
D2 Landscape Deck	D2MNB	21	0.0374	639	0.244	5.820	0.002	-	1.62E-03	1.078E-03	5.389E-04
D2 Landscape Deck	D2MNB	22	0.0374	626	0.246	5.761	0.002	-	1.60E-03	1.067E-03	5.335E-04
D2 Landscape Deck	D2MNB	23	0.0374	620	0.248	5.743	0.002	-	1.60E-03	1.064E-03	5.318E-04
D2 Landscape Deck	D2MNB	24	0.0374	609	0.249	5.681	0.002	-	1.58E-03	1.052E-03	5.260E-04
D2 Landscape Deck	D2WSB	1	0.0374	303	0.257	2.912	0.001	-	8.09E-04	5.393E-04	2.697E-04
D2 Landscape Deck	D2WSB	2	0.0374	308	0.268	3.088	0.001	-	8.58E-04	5.718E-04	2.859E-04
D2 Landscape Deck	D2WSB	3	0.0374	156	0.261	1.520	0.000	-	4.22E-04	2.816E-04	1.408E-04
D2 Landscape Deck	D2WSB	4	0.0374	159	0.272	1.616	0.000	-	4.49E-04	2.992E-04	1.496E-04
D2 Landscape Deck	D2WSB	5	0.0374	162	0.272	1.646	0.000	-	4.57E-04	3.048E-04	1.524E-04
D2 Landscape Deck	D2WSB	6	0.0374	327	0.278	3.398	0.001	-	9.44E-04	6.293E-04	3.147E-04
D2 Landscape Deck	D2WSB	7	0.0374	497	0.276	5.122	0.001	-	1.42E-03	9.485E-04	4.743E-04
D2 Landscape Deck	D2WSB	8	0.0374	838	0.276	8.658	0.002	-	2.40E-03	1.603E-03	8.016E-04
D2 Landscape Deck	D2WSB	9	0.0374	1191	0.282	12.559	0.003	-	3.49E-03	2.326E-03	1.163E-03
D2 Landscape Deck	D2WSB	10	0.0374	1003	0.278	10.443	0.003	-	2.90E-03	1.934E-03	9.669E-04
D2 Landscape Deck	D2WSB	11	0.0374	819	0.276	8.445	0.002	-	2.35E-03	1.564E-03	7.820E-04
D2 Landscape Deck	D2WSB	12	0.0374	805	0.276	8.308	0.002	-	2.31E-03	1.538E-03	7.692E-04
D2 Landscape Deck	D2WSB	13	0.0374	788	0.273	8.034	0.002	-	2.23E-03	1.488E-03	7.439E-04
D2 Landscape Deck	D2WSB	14	0.0374	774	0.269	7.793	0.002	-	2.16E-03	1.443E-03	7.216E-04
D2 Landscape Deck	D2WSB	15	0.0374	911	0.267	9.092	0.003	-	2.53E-03	1.684E-03	8.419E-04
D2 Landscape Deck	D2WSB	16	0.0374	892	0.266	8.889	0.002	-	2.47E-03	1.646E-03	8.230E-04
D2 Landscape Deck	D2WSB	17	0.0374	875	0.266	8.689	0.002	-	2.41E-03	1.609E-03	8.046E-04
D2 Landscape Deck	D2WSB	18	0.0374	856	0.259	8.302	0.002	-	2.31E-03	1.537E-03	7.687E-04
D2 Landscape Deck	D2WSB	19	0.0374	1177	0.259	11.380	0.003	-	3.16E-03	2.107E-03	1.054E-03
D2 Landscape Deck	D2WSB	20	0.0374	909	0.261	8.861	0.002	-	2.46E-03	1.641E-03	8.205E-04
D2 Landscape Deck	D2WSB	21	0.0374	575	0.256	5.506	0.002	-	1.53E-03	1.020E-03	5.099E-04
D2 Landscape Deck	D2WSB	22	0.0374	583	0.261	5.696	0.002	-	1.58E-03	1.055E-03	5.274E-04
D2 Landscape Deck	D2WSB	23	0.0374	985	0.259	9.529	0.003	-	2.65E-03	1.765E-03	8.823E-04
D2 Landscape Deck	D2WSB	24	0.0374	993	0.262	9.730	0.003	-	2.70E-03	1.802E-03	9.009E-04
CKR Slip Road	S3SB	1	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	2	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	3	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	4	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	5	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	6	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	7	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	8	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	9	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	10	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	11	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	12	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	13	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	14	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	16	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	17	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	18	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	19	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	20	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	21	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	22	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	23	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Slip Road	S3SB	24	0.103	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	1	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	2	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	3	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	4	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	5	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	6	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	7	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	8	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	9	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	10	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	11	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	12	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	13	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	14	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	15	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	16	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	17	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	18	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	19	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	20	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	21	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	22	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	23	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDSWB	24	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	1	0.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	2	1.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	3	2.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	4	3.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	5	4.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	6	5.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	7	6.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	8	7.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	9	8.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	11	10.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	12	11.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	13	12.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	0	0.000	0.000	0.000	-	0.00E+00	0.000E+00	0.000E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	0	0.000	0.000	0.000	0.000	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	2	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	3	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	4	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	5	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	6	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	7	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	8	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	9	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	10	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	11	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	12	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	13	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	14	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	15	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	16	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	17	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	18	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	19	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	20	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	21	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	22	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	23	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEEB	24	1.75	0	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.000	-	0.000	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.000	-	0.000	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	601	0.335	247.913	0.069	-	3.44E-02	2.295E-02	1.148E-02
Kai Tak Tunnel	KTTE	2	1.23	593	0.337	245.729	0.068	-	3.41E-02	2.275E-02	1.138E-02
Kai Tak Tunnel	KTTE	3	1.23	294	0.333	120.358	0.033	-	1.67E-02	1.114E-02	5.572E-03
Kai Tak Tunnel	KTTE	4	1.23	289	0.336	119.460	0.033	-	1.66E-02	1.106E-02	5.531E-03
Kai Tak Tunnel	KTTE	5	1.23	286	0.337	118.397	0.033	-	1.64E-02	1.096E-02	5.481E-03
Kai Tak Tunnel	KTTE	6	1.23	566	0.339	235.938	0.066	-	3.28E-02	2.185E-02	1.092E-02
Kai Tak Tunnel	KTTE	7	1.23	836	0.341	351.136	0.098	-	4.88E-02	3.251E-02	1.626E-02
Kai Tak Tunnel	KTTE	8	1.23	1376	0.340	575.384	0.160	-	7.99E-02	5.328E-02	2.664E-02
Kai Tak Tunnel	KTTE	9	1.23	1901	0.356	833.201	0.231	-	1.16E-01	7.715E-02	3.857E-02
Kai Tak Tunnel	KTTE	10	1.23	1661	0.342	699.653	0.194	-	9.72E-02	6.478E-02	3.239E-02
Kai Tak Tunnel	KTTE	11	1.23	1409	0.339	586.885	0.163	-	8.15E-02	5.434E-02	2.717E-02
Kai Tak Tunnel	KTTE	12	1.23	1431	0.337	592.852	0.165	-	8.23E-02	5.489E-02	2.745E-02
Kai Tak Tunnel	KTTE	13	1.23	1457	0.337	604.782	0.168	-	8.40E-02	5.600E-02	2.800E-02
Kai Tak Tunnel	KTTE	14	1.23	1479	0.334	607.943	0.169	-	8.44E-02	5.629E-02	2.815E-02
Kai Tak Tunnel	KTTE	15	1.23	1809	0.347	771.519	0.214	-	1.07E-01	7.144E-02	3.572E-02
Kai Tak Tunnel	KTTE	16	1.23	1838	0.345	779.449	0.217	-	1.08E-01	7.217E-02	3.609E-02
Kai Tak Tunnel	KTTE	17	1.23	1869	0.344	790.809	0.220	-	1.10E-01	7.322E-02	3.661E-02
Kai Tak Tunnel	KTTE	18	1.23	1899	0.343	802.193	0.223	-	1.11E-01	7.428E-02	3.714E-02
Kai Tak Tunnel	KTTE	19	1.23	2251	0.342	946.502	0.263	-	1.31E-01	8.764E-02	4.382E-02
Kai Tak Tunnel	KTTE	20	1.23	1588	0.341	666.650	0.185	-	9.26E-02	6.173E-02	3.086E-02
Kai Tak Tunnel	KTTE	21	1.23	1257	0.329	509.317	0.141	-	7.07E-02	4.716E-02	2.358E-02
Kai Tak Tunnel	KTTE	22	1.23	1242	0.331	506.019	0.141	-	7.03E-02	4.685E-02	2.343E-02
Kai Tak Tunnel	KTTE	23	1.23	921	0.330	374.225	0.104	-	5.20E-02	3.465E-02	1.733E-02
Kai Tak Tunnel	KTTE	24	1.23	910	0.332	371.540	0.103	-	5.16E-02	3.440E-02	1.720E-02
Kai Tak Tunnel	KTTW	1	1.23	639	0.414	325.279	0.090	-	4.52E-02	3.012E-02	1.506E-02
Kai Tak Tunnel	KTTW	2	1.23	653	0.411	330.088	0.092	-	4.58E-02	3.056E-02	1.528E-02
Kai Tak Tunnel	KTTW	3	1.23	331	0.410	166.736	0.046	-	2.32E-02	1.544E-02	7.719E-03
Kai Tak Tunnel	KTTW	4	1.23	338	0.407	169.318	0.047	-	2.35E-02	1.568E-02	7.839E-03
Kai Tak Tunnel	KTTW	5	1.23	345	0.408	173.015	0.048	-	2.40E-02	1.602E-02	8.010E-03
Kai Tak Tunnel	KTTW	6	1.23	706	0.417	362.043	0.101	-	5.03E-02	3.352E-02	1.676E-02
Kai Tak Tunnel	KTTW	7	1.23	1073	0.413	544.550	0.151	-	7.56E-02	5.042E-02	2.521E-02
Kai Tak Tunnel	KTTW	8	1.23	1823	0.416	932.829	0.259	-	1.30E-01	8.637E-02	4.319E-02
Kai Tak Tunnel	KTTW	9	1.23	2595	0.433	1382.599	0.384	-	1.92E-01	1.280E-01	6.401E-02
Kai Tak Tunnel	KTTW	10	1.23	2170	0.418	1116.780	0.310	-	1.55E-01	1.034E-01	5.170E-02
Kai Tak Tunnel	KTTW	11	1.23	1764	0.413	896.718	0.249	-	1.25E-01	8.303E-02	4.151E-02
Kai Tak Tunnel	KTTW	12	1.23	1719	0.414	874.899	0.243	-	1.22E-01	8.101E-02	4.050E-02
Kai Tak Tunnel	KTTW	13	1.23	1677	0.415	856.831	0.238	-	1.19E-01	7.934E-02	3.967E-02
Kai Tak Tunnel	KTTW	14	1.23	1630	0.415	832.873	0.231	-	1.16E-01	7.712E-02	3.856E-02
Kai Tak Tunnel	KTTW	15	1.23	1905	0.430	1008.279	0.280	-	1.40E-01	9.336E-02	4.668E-02
Kai Tak Tunnel	KTTW	16	1.23	1850	0.428	974.513	0.271	-	1.35E-01	9.023E-02	4.512E-02
Kai Tak Tunnel	KTTW	17	1.23	1799	0.429	948.497	0.263	-	1.32E-01	8.782E-02	4.391E-02
Kai Tak Tunnel	KTTW	18	1.23	1743	0.427	915.208	0.254	-	1.27E-01	8.474E-02	4.237E-02
Kai Tak Tunnel	KTTW	19	1.23	1973	0.428	1039.616	0.289	-	1.44E-01	9.626E-02	4.813E-02
Kai Tak Tunnel	KTTW	20	1.23	1441	0.425	752.612	0.209	-	1.05E-01	6.969E-02	3.484E-02
Kai Tak Tunnel	KTTW	21	1.23	1179	0.412	597.614	0.166	-	8.30E-02	5.533E-02	2.767E-02
Kai Tak Tunnel	KTTW	22	1.23	1203	0.410	607.220	0.169	-	8.43E-02	5.622E-02	2.811E-02
Kai Tak Tunnel	KTTW	23	1.23	921	0.410	464.088	0.129	-	6.45E-02	4.297E-02	2.149E-02
Kai Tak Tunnel	KTTW	24	1.23	941	0.411	475.394	0.132	-	6.60E-02	4.402E-02	2.201E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	7.96E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	8.00E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	3.99E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	4.01E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	4.05E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	8.31E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.24E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	2.09E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	3.08E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	2.52E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	2.06E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	2.04E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	2.03E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	2.00E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	2.47E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	2.44E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	2.42E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.39E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	2.76E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.97E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.54E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.55E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.16E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.18E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	186	0.245	5.686	0.002	-	1.58E-03	1.053E-03	5.265E-04
D2 Landscape Deck	D2ENB	2	0.125	185	0.246	5.687	0.002	-	1.58E-03	1.053E-03	5.265E-04
D2 Landscape Deck	D2ENB	3	0.125	92	0.266	3.053	0.001	-	8.48E-04	5.655E-04	2.827E-04
D2 Landscape Deck	D2ENB	4	0.125	90	0.268	3.010	0.001	-	8.36E-04	5.574E-04	2.787E-04
D2 Landscape Deck	D2ENB	5	0.125	89	0.271	3.014	0.001	-	8.37E-04	5.581E-04	2.791E-04
D2 Landscape Deck	D2ENB	6	0.125	175	0.254	5.566	0.002	-	1.55E-03	1.031E-03	5.153E-04
D2 Landscape Deck	D2ENB	7	0.125	259	0.260	8.424	0.002	-	2.34E-03	1.560E-03	7.800E-04
D2 Landscape Deck	D2ENB	8	0.125	427	0.270	14.432	0.004	-	4.01E-03	2.673E-03	1.336E-03
D2 Landscape Deck	D2ENB	9	0.125	590	0.269	19.811	0.006	-	5.50E-03	3.669E-03	1.834E-03
D2 Landscape Deck	D2ENB	10	0.125	513	0.259	16.611	0.005	-	4.61E-03	3.076E-03	1.538E-03
D2 Landscape Deck	D2ENB	11	0.125	439	0.265	14.539	0.004	-	4.04E-03	2.692E-03	1.346E-03
D2 Landscape Deck	D2ENB	12	0.125	447	0.264	14.730	0.004	-	4.09E-03	2.728E-03	1.364E-03
D2 Landscape Deck	D2ENB	13	0.125	456	0.263	14.992	0.004	-	4.16E-03	2.776E-03	1.388E-03
D2 Landscape Deck	D2ENB	14	0.125	464	0.260	15.108	0.004	-	4.20E-03	2.798E-03	1.399E-03
D2 Landscape Deck	D2ENB	15	0.125	566	0.252	17.810	0.005	-	4.95E-03	3.298E-03	1.649E-03
D2 Landscape Deck	D2ENB	16	0.125	577	0.250	18.016	0.005	-	5.00E-03	3.336E-03	1.668E-03
D2 Landscape Deck	D2ENB	17	0.125	588	0.249	18.309	0.005	-	5.09E-03	3.391E-03	1.695E-03
D2 Landscape Deck	D2ENB	18	0.125	598	0.247	18.485	0.005	-	5.13E-03	3.423E-03	1.712E-03
D2 Landscape Deck	D2ENB	19	0.125	709	0.249	22.092	0.006	-	6.14E-03	4.091E-03	2.046E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	501	0.249	15.620	0.004	-	4.34E-03	2.893E-03	1.446E-03
D2 Landscape Deck	D2ENB	21	0.125	396	0.249	12.345	0.003	-	3.43E-03	2.286E-03	1.143E-03
D2 Landscape Deck	D2ENB	22	0.125	391	0.252	12.299	0.003	-	3.42E-03	2.278E-03	1.139E-03
D2 Landscape Deck	D2ENB	23	0.125	289	0.246	8.871	0.002	-	2.46E-03	1.643E-03	8.214E-04
D2 Landscape Deck	D2ENB	24	0.125	284	0.247	8.778	0.002	-	2.44E-03	1.626E-03	8.128E-04
D2 Landscape Deck	D2MSB	1	0.125	205	0.252	6.451	0.002	-	1.79E-03	1.195E-03	5.974E-04
D2 Landscape Deck	D2MSB	2	0.125	218	0.252	6.870	0.002	-	1.91E-03	1.272E-03	6.361E-04
D2 Landscape Deck	D2MSB	3	0.125	113	0.244	3.447	0.001	-	9.58E-04	6.384E-04	3.192E-04
D2 Landscape Deck	D2MSB	4	0.125	119	0.241	3.588	0.001	-	9.97E-04	6.645E-04	3.323E-04
D2 Landscape Deck	D2MSB	5	0.125	124	0.238	3.692	0.001	-	1.03E-03	6.837E-04	3.419E-04
D2 Landscape Deck	D2MSB	6	0.125	262	0.246	8.049	0.002	-	2.24E-03	1.491E-03	7.453E-04
D2 Landscape Deck	D2MSB	7	0.125	412	0.258	13.311	0.004	-	3.70E-03	2.465E-03	1.232E-03
D2 Landscape Deck	D2MSB	8	0.125	711	0.255	22.681	0.006	-	6.30E-03	4.200E-03	2.100E-03
D2 Landscape Deck	D2MSB	9	0.125	1038	0.257	33.409	0.009	-	9.28E-03	6.187E-03	3.093E-03
D2 Landscape Deck	D2MSB	10	0.125	842	0.253	26.576	0.007	-	7.38E-03	4.922E-03	2.461E-03
D2 Landscape Deck	D2MSB	11	0.125	660	0.254	20.931	0.006	-	5.81E-03	3.876E-03	1.938E-03
D2 Landscape Deck	D2MSB	12	0.125	621	0.250	19.431	0.005	-	5.40E-03	3.598E-03	1.799E-03
D2 Landscape Deck	D2MSB	13	0.125	581	0.251	18.246	0.005	-	5.07E-03	3.379E-03	1.689E-03
D2 Landscape Deck	D2MSB	14	0.125	540	0.250	16.843	0.005	-	4.68E-03	3.119E-03	1.560E-03
D2 Landscape Deck	D2MSB	15	0.125	601	0.246	18.517	0.005	-	5.14E-03	3.429E-03	1.714E-03
D2 Landscape Deck	D2MSB	16	0.125	552	0.244	16.854	0.005	-	4.68E-03	3.121E-03	1.561E-03
D2 Landscape Deck	D2MSB	17	0.125	504	0.236	14.868	0.004	-	4.13E-03	2.753E-03	1.377E-03
D2 Landscape Deck	D2MSB	18	0.125	456	0.232	13.252	0.004	-	3.68E-03	2.454E-03	1.227E-03
D2 Landscape Deck	D2MSB	19	0.125	475	0.228	13.532	0.004	-	3.76E-03	2.506E-03	1.253E-03
D2 Landscape Deck	D2MSB	20	0.125	369	0.234	10.780	0.003	-	2.99E-03	1.996E-03	9.981E-04
D2 Landscape Deck	D2MSB	21	0.125	315	0.225	8.870	0.002	-	2.46E-03	1.643E-03	8.213E-04
D2 Landscape Deck	D2MSB	22	0.125	342	0.243	10.370	0.003	-	2.88E-03	1.920E-03	9.602E-04
D2 Landscape Deck	D2MSB	23	0.125	273	0.235	8.021	0.002	-	2.23E-03	1.485E-03	7.427E-04
D2 Landscape Deck	D2MSB	24	0.125	288	0.232	8.360	0.002	-	2.32E-03	1.548E-03	7.741E-04
D2 Landscape Deck	D2MNB	1	0.0374	199	0.241	1.796	0.000	-	4.99E-04	3.326E-04	1.663E-04
D2 Landscape Deck	D2MNB	2	0.0374	195	0.244	1.782	0.000	-	4.95E-04	3.300E-04	1.650E-04
D2 Landscape Deck	D2MNB	3	0.0374	94	0.248	0.871	0.000	-	2.42E-04	1.613E-04	8.066E-05
D2 Landscape Deck	D2MNB	4	0.0374	91	0.252	0.857	0.000	-	2.38E-04	1.587E-04	7.935E-05
D2 Landscape Deck	D2MNB	5	0.0374	88	0.257	0.845	0.000	-	2.35E-04	1.564E-04	7.820E-05
D2 Landscape Deck	D2MNB	6	0.0374	173	0.248	1.607	0.000	-	4.46E-04	2.977E-04	1.488E-04
D2 Landscape Deck	D2MNB	7	0.0374	252	0.256	2.417	0.001	-	6.71E-04	4.476E-04	2.238E-04
D2 Landscape Deck	D2MNB	8	0.0374	410	0.264	4.054	0.001	-	1.13E-03	7.507E-04	3.753E-04
D2 Landscape Deck	D2MNB	9	0.0374	554	0.265	5.485	0.002	-	1.52E-03	1.016E-03	5.079E-04
D2 Landscape Deck	D2MNB	10	0.0374	497	0.255	4.748	0.001	-	1.32E-03	8.792E-04	4.396E-04
D2 Landscape Deck	D2MNB	11	0.0374	431	0.253	4.081	0.001	-	1.13E-03	7.558E-04	3.779E-04
D2 Landscape Deck	D2MNB	12	0.0374	449	0.249	4.178	0.001	-	1.16E-03	7.738E-04	3.869E-04
D2 Landscape Deck	D2MNB	13	0.0374	466	0.244	4.255	0.001	-	1.18E-03	7.881E-04	3.940E-04
D2 Landscape Deck	D2MNB	14	0.0374	483	0.240	4.330	0.001	-	1.20E-03	8.019E-04	4.009E-04
D2 Landscape Deck	D2MNB	15	0.0374	601	0.235	5.281	0.001	-	1.47E-03	9.780E-04	4.890E-04
D2 Landscape Deck	D2MNB	16	0.0374	624	0.231	5.382	0.001	-	1.49E-03	9.966E-04	4.983E-04
D2 Landscape Deck	D2MNB	17	0.0374	644	0.224	5.404	0.002	-	1.50E-03	1.001E-03	5.004E-04
D2 Landscape Deck	D2MNB	18	0.0374	663	0.221	5.477	0.002	-	1.52E-03	1.014E-03	5.071E-04
D2 Landscape Deck	D2MNB	19	0.0374	799	0.217	6.489	0.002	-	1.80E-03	1.202E-03	6.008E-04
D2 Landscape Deck	D2MNB	20	0.0374	559	0.219	4.569	0.001	-	1.27E-03	8.461E-04	4.230E-04
D2 Landscape Deck	D2MNB	21	0.0374	436	0.218	3.557	0.001	-	9.88E-04	6.587E-04	3.293E-04
D2 Landscape Deck	D2MNB	22	0.0374	426	0.224	3.568	0.001	-	9.91E-04	6.608E-04	3.304E-04
D2 Landscape Deck	D2MNB	23	0.0374	312	0.221	2.582	0.001	-	7.17E-04	4.781E-04	2.391E-04
D2 Landscape Deck	D2MNB	24	0.0374	304	0.224	2.543	0.001	-	7.07E-04	4.710E-04	2.355E-04
D2 Landscape Deck	D2WSB	1	0.0374	204	0.253	1.933	0.001	-	5.37E-04	3.580E-04	1.790E-04
D2 Landscape Deck	D2WSB	2	0.0374	215	0.253	2.032	0.001	-	5.64E-04	3.763E-04	1.881E-04
D2 Landscape Deck	D2WSB	3	0.0374	112	0.246	1.031	0.000	-	2.86E-04	1.909E-04	9.545E-05
D2 Landscape Deck	D2WSB	4	0.0374	117	0.242	1.060	0.000	-	2.95E-04	1.963E-04	9.817E-05
D2 Landscape Deck	D2WSB	5	0.0374	123	0.240	1.104	0.000	-	3.07E-04	2.045E-04	1.022E-04
D2 Landscape Deck	D2WSB	6	0.0374	258	0.247	2.381	0.001	-	6.61E-04	4.409E-04	2.204E-04
D2 Landscape Deck	D2WSB	7	0.0374	405	0.260	3.939	0.001	-	1.09E-03	7.295E-04	3.648E-04
D2 Landscape Deck	D2WSB	8	0.0374	701	0.257	6.728	0.002	-	1.87E-03	1.246E-03	6.230E-04
D2 Landscape Deck	D2WSB	9	0.0374	1019	0.258	9.820	0.003	-	2.73E-03	1.819E-03	9.093E-04
D2 Landscape Deck	D2WSB	10	0.0374	828	0.254	7.867	0.002	-	2.19E-03	1.457E-03	7.284E-04
D2 Landscape Deck	D2WSB	11	0.0374	652	0.255	6.214	0.002	-	1.73E-03	1.151E-03	5.754E-04
D2 Landscape Deck	D2WSB	12	0.0374	613	0.252	5.784	0.002	-	1.61E-03	1.071E-03	5.356E-04
D2 Landscape Deck	D2WSB	13	0.0374	576	0.252	5.425	0.002	-	1.51E-03	1.005E-03	5.023E-04
D2 Landscape Deck	D2WSB	14	0.0374	538	0.253	5.082	0.001	-	1.41E-03	9.412E-04	4.706E-04
D2 Landscape Deck	D2WSB	15	0.0374	600	0.252	5.651	0.002	-	1.57E-03	1.046E-03	5.232E-04
D2 Landscape Deck	D2WSB	16	0.0374	553	0.244	5.042	0.001	-	1.40E-03	9.336E-04	4.668E-04
D2 Landscape Deck	D2WSB	17	0.0374	508	0.244	4.635	0.001	-	1.29E-03	8.584E-04	4.292E-04
D2 Landscape Deck	D2WSB	18	0.0374	462	0.239	4.134	0.001	-	1.15E-03	7.655E-04	3.828E-04
D2 Landscape Deck	D2WSB	19	0.0374	489	0.242	4.422	0.001	-	1.23E-03	8.189E-04	4.095E-04
D2 Landscape Deck	D2WSB	20	0.0374	377	0.240	3.384	0.001	-	9.40E-04	6.267E-04	3.134E-04
D2 Landscape Deck	D2WSB	21	0.0374	321	0.235	2.817	0.001	-	7.83E-04	5.217E-04	2.609E-04
D2 Landscape Deck	D2WSB	22	0.0374	345	0.246	3.177	0.001	-	8.83E-04	5.884E-04	2.942E-04
D2 Landscape Deck	D2WSB	23	0.0374	275	0.246	2.532	0.001	-	7.03E-04	4.690E-04	2.345E-04
D2 Landscape Deck	D2WSB	24	0.0374	289	0.242	2.621	0.001	-	7.28E-04	4.853E-04	2.427E-04
CKR Slip Road	S3SB	1	0.103	316	0.397	12.909	0.004	-	3.59E-03	2.390E-03	1.195E-03
CKR Slip Road	S3SB	2	0.103	320	0.388	12.773	0.004	-	3.55E-03	2.365E-03	1.183E-03
CKR Slip Road	S3SB	3	0.103	164	0.380	6.411	0.002	-	1.78E-03	1.187E-03	5.936E-04
CKR Slip Road	S3SB	4	0.103	167	0.374	6.439	0.002	-	1.79E-03	1.192E-03	5.962E-04
CKR Slip Road	S3SB	5	0.103	168	0.361	6.244	0.002	-	1.73E-03	1.156E-03	5.781E-04
CKR Slip Road	S3SB	6	0.103	342	0.357	12.581	0.003	-	3.49E-03	2.330E-03	1.165E-03
CKR Slip Road	S3SB	7	0.103	524	0.358	19.299	0.005	-	5.36E-03	3.574E-03	1.787E-03
CKR Slip Road	S3SB	8	0.103	885	0.349	31.783	0.009	-	8.83E-03	5.886E-03	2.943E-03
CKR Slip Road	S3SB	9	0.103	1256	0.355	45.884	0.013	-	1.27E-02	8.497E-03	4.248E-03
CKR Slip Road	S3SB	10	0.103	1053	0.351	38.036	0.011	-	1.06E-02	7.044E-03	3.522E-03
CKR Slip Road	S3SB	11	0.103	859	0.360	31.856	0.009	-	8.85E-03	5.899E-03	2.950E-03
CKR Slip Road	S3SB	12	0.103	839	0.369	31.906	0.009	-	8.86E-03	5.908E-03	2.954E-03
CKR Slip Road	S3SB	13	0.103	820	0.378	31.941	0.009	-	8.87E-03	5.915E-03	2.958E-03
CKR Slip Road	S3SB	14	0.103	802	0.391	32.285	0.009	-	8.97E-03	5.979E-03	2.989E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	936	0.410	39.498	0.011	-	1.10E-02	7.315E-03	3.657E-03
CKR Slip Road	S3SB	16	0.103	914	0.420	39.582	0.011	-	1.10E-02	7.330E-03	3.665E-03
CKR Slip Road	S3SB	17	0.103	890	0.434	39.802	0.011	-	1.11E-02	7.371E-03	3.685E-03
CKR Slip Road	S3SB	18	0.103	869	0.445	39.842	0.011	-	1.11E-02	7.378E-03	3.689E-03
CKR Slip Road	S3SB	19	0.103	985	0.460	46.712	0.013	-	1.30E-02	8.650E-03	4.325E-03
CKR Slip Road	S3SB	20	0.103	718	0.446	32.986	0.009	-	9.16E-03	6.108E-03	3.054E-03
CKR Slip Road	S3SB	21	0.103	587	0.426	25.729	0.007	-	7.15E-03	4.765E-03	2.382E-03
CKR Slip Road	S3SB	22	0.103	597	0.417	25.637	0.007	-	7.12E-03	4.748E-03	2.374E-03
CKR Slip Road	S3SB	23	0.103	454	0.404	18.902	0.005	-	5.25E-03	3.500E-03	1.750E-03
CKR Slip Road	S3SB	24	0.103	463	0.404	19.249	0.005	-	5.35E-03	3.565E-03	1.782E-03
CKR Landscape Deck	CKRLDSWB	1	0.195	1052	0.351	72.096	0.020	-	2.00E-02	1.335E-02	6.676E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1057	0.354	72.882	0.020	-	2.02E-02	1.350E-02	6.748E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	529	0.354	36.491	0.010	-	1.01E-02	6.758E-03	3.379E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	533	0.357	37.144	0.010	-	1.03E-02	6.878E-03	3.439E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	534	0.358	37.255	0.010	-	1.03E-02	6.899E-03	3.450E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1072	0.360	75.337	0.021	-	2.09E-02	1.395E-02	6.976E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	1616	0.364	114.673	0.032	-	3.19E-02	2.124E-02	1.062E-02
CKR Landscape Deck	CKRLDSWB	8	0.195	2708	0.373	197.123	0.055	-	5.48E-02	3.650E-02	1.825E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	3805	0.387	286.800	0.080	-	7.97E-02	5.311E-02	2.656E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	3240	0.370	233.867	0.065	-	6.50E-02	4.331E-02	2.165E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	2687	0.369	193.195	0.054	-	5.37E-02	3.578E-02	1.789E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	2673	0.367	191.472	0.053	-	5.32E-02	3.546E-02	1.773E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	2655	0.365	189.015	0.053	-	5.25E-02	3.500E-02	1.750E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	2641	0.363	187.009	0.052	-	5.19E-02	3.463E-02	1.732E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	3150	0.360	221.250	0.061	-	6.15E-02	4.097E-02	2.049E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	3132	0.357	217.830	0.061	-	6.05E-02	4.034E-02	2.017E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	3113	0.353	214.075	0.059	-	5.95E-02	3.964E-02	1.982E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	3094	0.349	210.531	0.058	-	5.85E-02	3.899E-02	1.949E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	3588	0.347	242.665	0.067	-	6.74E-02	4.494E-02	2.247E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	2573	0.348	174.602	0.049	-	4.85E-02	3.233E-02	1.617E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2069	0.344	138.725	0.039	-	3.85E-02	2.569E-02	1.284E-02
CKR Landscape Deck	CKRLDSWB	22	0.195	2076	0.345	139.759	0.039	-	3.88E-02	2.588E-02	1.294E-02
CKR Landscape Deck	CKRLDSWB	23	0.195	1564	0.346	105.598	0.029	-	2.93E-02	1.956E-02	9.778E-03
CKR Landscape Deck	CKRLDSWB	24	0.195	1572	0.350	107.227	0.030	-	2.98E-02	1.986E-02	9.928E-03
CKR Landscape Deck	CKRLDNEB	1	0.195	1064	0.330	68.419	0.019	-	1.90E-02	1.267E-02	6.335E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1074	0.331	424.222	0.118	-	1.18E-01	7.856E-02	3.928E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	540	0.328	388.704	0.108	-	1.08E-01	7.198E-02	3.599E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	546	0.327	570.201	0.158	-	1.58E-01	1.056E-01	5.280E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	550	0.328	756.132	0.210	-	2.10E-01	1.400E-01	7.001E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1105	0.326	1871.975	0.520	-	5.20E-01	3.467E-01	1.733E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	1674	0.326	3382.490	0.940	-	9.40E-01	6.264E-01	3.132E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	2811	0.332	6713.655	1.865	-	1.86E+00	1.243E+00	6.216E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	3964	0.341	11082.706	3.079	-	3.08E+00	2.052E+00	1.026E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	3364	0.331	10233.001	2.843	-	2.84E+00	1.895E+00	9.475E-01
CKR Landscape Deck	CKRLDNEB	11	10.195	2771	0.332	9385.584	2.607	-	2.61E+00	1.738E+00	8.690E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	2742	0.335	10281.714	2.856	-	2.86E+00	1.904E+00	9.520E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	2711	0.337	11143.691	3.095	-	3.10E+00	2.064E+00	1.032E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	2683	0.338	11983.022	3.329	-	3.33E+00	2.219E+00	1.110E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	3184	0.340	15370.809	4.270	-	4.27E+00	2.846E+00	1.423E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	3150	0.341	16328.198	4.536	-	4.54E+00	3.024E+00	1.512E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	3112	0.341	17167.911	4.769	-	4.77E+00	3.179E+00	1.590E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3076	0.342	18067.912	5.019	-	5.02E+00	3.346E+00	1.673E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	3549	0.344	22209.800	6.169	-	6.17E+00	4.113E+00	2.056E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	2556	0.343	16808.713	4.669	-	4.67E+00	3.113E+00	1.556E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	2061	0.335	13924.907	3.868	-	3.87E+00	2.579E+00	1.289E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	2079	0.334	14717.293	4.088	-	4.09E+00	2.725E+00	1.363E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	1571	0.333	11600.449	3.222	-	3.22E+00	2.148E+00	1.074E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	1585	0.331	12176.968	3.382	-	3.38E+00	2.255E+00	1.127E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009)
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1064	0.330	701.731	0.195	0.135	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1074	0.331	709.994	0.197	0.136	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	540	0.328	354.172	0.098	0.068	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	546	0.327	356.934	0.099	0.068	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	550	0.328	360.492	0.100	0.069	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1105	0.326	720.683	0.200	0.138	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1674	0.326	1092.007	0.303	0.209	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	2811	0.332	1866.200	0.518	0.365	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	3964	0.341	2704.748	0.751	0.533	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3364	0.331	2225.775	0.618	0.439	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	2771	0.332	1841.213	0.511	0.359	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	2742	0.335	1836.840	0.510	0.359	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	2711	0.337	1827.584	0.508	0.357	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	2683	0.338	1816.297	0.505	0.355	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3184	0.340	2165.665	0.602	0.423	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3150	0.341	2149.154	0.597	0.419	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3112	0.341	2120.150	0.589	0.413	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3076	0.342	2101.531	0.584	0.414	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	3549	0.344	2441.308	0.678	0.481	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2556	0.343	1751.364	0.486	0.341	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2061	0.335	1379.045	0.383	0.265	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2079	0.334	1388.751	0.386	0.267	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1571	0.333	1045.321	0.290	0.201	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1585	0.331	1049.965	0.292	0.201	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1064	0.330	614.015	0.171	-	0.305	0.275	0.031	0.020	0.010
CKR Tunnel	CKRTEEB	2	1.75	1074	0.331	621.245	0.173	-	0.309	0.278	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	3	1.75	540	0.328	309.901	0.086	-	0.154	0.138	0.015	0.010	0.005
CKR Tunnel	CKRTEEB	4	1.75	546	0.327	312.317	0.087	-	0.155	0.140	0.016	0.010	0.005
CKR Tunnel	CKRTEEB	5	1.75	550	0.328	315.430	0.088	-	0.157	0.141	0.016	0.010	0.005
CKR Tunnel	CKRTEEB	6	1.75	1105	0.326	630.598	0.175	-	0.313	0.282	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	7	1.75	1674	0.326	955.506	0.265	-	0.475	0.427	0.047	0.032	0.016
CKR Tunnel	CKRTEEB	8	1.75	2811	0.332	1632.925	0.454	-	0.818	0.737	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	9	1.75	3964	0.341	2366.655	0.657	-	1.191	1.072	0.119	0.079	0.040
CKR Tunnel	CKRTEEB	10	1.75	3364	0.331	1947.553	0.541	-	0.980	0.882	0.098	0.065	0.033
CKR Tunnel	CKRTEEB	11	1.75	2771	0.332	1611.062	0.448	-	0.806	0.726	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	12	1.75	2742	0.335	1607.235	0.446	-	0.805	0.725	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	13	1.75	2711	0.337	1599.136	0.444	-	0.801	0.721	0.080	0.053	0.027
CKR Tunnel	CKRTEEB	14	1.75	2683	0.338	1589.260	0.441	-	0.796	0.717	0.080	0.053	0.027
CKR Tunnel	CKRTEEB	15	1.75	3184	0.340	1894.957	0.526	-	0.950	0.855	0.095	0.063	0.032
CKR Tunnel	CKRTEEB	16	1.75	3150	0.341	1880.510	0.522	-	0.941	0.847	0.094	0.063	0.031
CKR Tunnel	CKRTEEB	17	1.75	3112	0.341	1855.131	0.515	-	0.928	0.836	0.093	0.062	0.031
CKR Tunnel	CKRTEEB	18	1.75	3076	0.342	1838.839	0.511	-	0.925	0.833	0.093	0.062	0.031
CKR Tunnel	CKRTEEB	19	1.75	3549	0.344	2136.145	0.593	-	1.075	0.967	0.107	0.072	0.036
CKR Tunnel	CKRTEEB	20	1.75	2556	0.343	1532.443	0.426	-	0.767	0.690	0.077	0.051	0.026
CKR Tunnel	CKRTEEB	21	1.75	2061	0.335	1206.664	0.335	-	0.600	0.540	0.060	0.040	0.020
CKR Tunnel	CKRTEEB	22	1.75	2079	0.334	1215.158	0.338	-	0.605	0.544	0.060	0.040	0.020
CKR Tunnel	CKRTEEB	23	1.75	1571	0.333	914.656	0.254	-	0.455	0.410	0.046	0.030	0.015
CKR Tunnel	CKRTEEB	24	1.75	1585	0.331	918.719	0.255	-	0.456	0.411	0.046	0.030	0.015
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.275	-	0.258	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.278	-	0.261	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.138	-	0.130	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.140	-	0.131	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.141	-	0.132	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.282	-	0.265	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.427	-	0.402	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.737	-	0.692	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	1.072	-	1.007	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.882	-	0.829	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.726	-	0.682	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.725	-	0.681	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.721	-	0.678	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.717	-	0.674	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.855	-	0.803	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.847	-	0.796	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.836	-	0.785	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.833	-	0.783	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.967	-	0.909	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.690	-	0.649	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.540	-	0.508	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.544	-	0.511	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.410	-	0.385	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.411	-	0.386	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	601	0.335	247.712	0.069	-	3.44E-02	2.294E-02	1.147E-02
Kai Tak Tunnel	KTTE	2	1.23	593	0.337	245.580	0.068	-	3.41E-02	2.274E-02	1.137E-02
Kai Tak Tunnel	KTTE	3	1.23	294	0.333	120.533	0.033	-	1.67E-02	1.116E-02	5.580E-03
Kai Tak Tunnel	KTTE	4	1.23	289	0.336	119.342	0.033	-	1.66E-02	1.105E-02	5.525E-03
Kai Tak Tunnel	KTTE	5	1.23	286	0.336	118.280	0.033	-	1.64E-02	1.095E-02	5.476E-03
Kai Tak Tunnel	KTTE	6	1.23	566	0.339	236.227	0.066	-	3.28E-02	2.187E-02	1.094E-02
Kai Tak Tunnel	KTTE	7	1.23	836	0.342	351.399	0.098	-	4.88E-02	3.254E-02	1.627E-02
Kai Tak Tunnel	KTTE	8	1.23	1376	0.340	576.057	0.160	-	8.00E-02	5.334E-02	2.667E-02
Kai Tak Tunnel	KTTE	9	1.23	1901	0.356	832.414	0.231	-	1.16E-01	7.708E-02	3.854E-02
Kai Tak Tunnel	KTTE	10	1.23	1661	0.342	699.694	0.194	-	9.72E-02	6.479E-02	3.239E-02
Kai Tak Tunnel	KTTE	11	1.23	1409	0.339	586.883	0.163	-	8.15E-02	5.434E-02	2.717E-02
Kai Tak Tunnel	KTTE	12	1.23	1431	0.337	592.650	0.165	-	8.23E-02	5.488E-02	2.744E-02
Kai Tak Tunnel	KTTE	13	1.23	1457	0.338	605.005	0.168	-	8.40E-02	5.602E-02	2.801E-02
Kai Tak Tunnel	KTTE	14	1.23	1479	0.334	607.822	0.169	-	8.44E-02	5.628E-02	2.814E-02
Kai Tak Tunnel	KTTE	15	1.23	1809	0.347	771.185	0.214	-	1.07E-01	7.141E-02	3.570E-02
Kai Tak Tunnel	KTTE	16	1.23	1838	0.345	779.711	0.217	-	1.08E-01	7.220E-02	3.610E-02
Kai Tak Tunnel	KTTE	17	1.23	1869	0.344	790.310	0.220	-	1.10E-01	7.318E-02	3.659E-02
Kai Tak Tunnel	KTTE	18	1.23	1899	0.344	802.390	0.223	-	1.11E-01	7.430E-02	3.715E-02
Kai Tak Tunnel	KTTE	19	1.23	2251	0.342	945.842	0.263	-	1.31E-01	8.758E-02	4.379E-02
Kai Tak Tunnel	KTTE	20	1.23	1588	0.342	667.248	0.185	-	9.27E-02	6.178E-02	3.089E-02
Kai Tak Tunnel	KTTE	21	1.23	1257	0.329	508.991	0.141	-	7.07E-02	4.713E-02	2.356E-02
Kai Tak Tunnel	KTTE	22	1.23	1242	0.331	506.208	0.141	-	7.03E-02	4.687E-02	2.344E-02
Kai Tak Tunnel	KTTE	23	1.23	921	0.330	374.050	0.104	-	5.20E-02	3.463E-02	1.732E-02
Kai Tak Tunnel	KTTE	24	1.23	910	0.332	371.292	0.103	-	5.16E-02	3.438E-02	1.719E-02
Kai Tak Tunnel	KTTW	1	1.23	639	0.414	325.037	0.090	-	4.51E-02	3.010E-02	1.505E-02
Kai Tak Tunnel	KTTW	2	1.23	653	0.411	329.912	0.092	-	4.58E-02	3.055E-02	1.527E-02
Kai Tak Tunnel	KTTW	3	1.23	331	0.410	166.956	0.046	-	2.32E-02	1.546E-02	7.729E-03
Kai Tak Tunnel	KTTW	4	1.23	338	0.407	169.158	0.047	-	2.35E-02	1.566E-02	7.831E-03
Kai Tak Tunnel	KTTW	5	1.23	345	0.407	172.855	0.048	-	2.40E-02	1.601E-02	8.003E-03
Kai Tak Tunnel	KTTW	6	1.23	706	0.417	362.465	0.101	-	5.03E-02	3.356E-02	1.678E-02
Kai Tak Tunnel	KTTW	7	1.23	1073	0.413	544.933	0.151	-	7.57E-02	5.046E-02	2.523E-02
Kai Tak Tunnel	KTTW	8	1.23	1823	0.416	933.854	0.259	-	1.30E-01	8.647E-02	4.323E-02
Kai Tak Tunnel	KTTW	9	1.23	2595	0.433	1381.384	0.384	-	1.92E-01	1.279E-01	6.395E-02
Kai Tak Tunnel	KTTW	10	1.23	2170	0.418	1116.850	0.310	-	1.55E-01	1.034E-01	5.171E-02
Kai Tak Tunnel	KTTW	11	1.23	1764	0.413	896.726	0.249	-	1.25E-01	8.303E-02	4.152E-02
Kai Tak Tunnel	KTTW	12	1.23	1719	0.414	874.628	0.243	-	1.21E-01	8.098E-02	4.049E-02
Kai Tak Tunnel	KTTW	13	1.23	1677	0.416	857.131	0.238	-	1.19E-01	7.936E-02	3.968E-02
Kai Tak Tunnel	KTTW	14	1.23	1630	0.415	832.714	0.231	-	1.16E-01	7.710E-02	3.855E-02
Kai Tak Tunnel	KTTW	15	1.23	1905	0.430	1007.870	0.280	-	1.40E-01	9.332E-02	4.666E-02
Kai Tak Tunnel	KTTW	16	1.23	1850	0.428	974.832	0.271	-	1.35E-01	9.026E-02	4.513E-02
Kai Tak Tunnel	KTTW	17	1.23	1799	0.428	947.927	0.263	-	1.32E-01	8.777E-02	4.389E-02
Kai Tak Tunnel	KTTW	18	1.23	1743	0.427	915.432	0.254	-	1.27E-01	8.476E-02	4.238E-02
Kai Tak Tunnel	KTTW	19	1.23	1973	0.428	1038.930	0.289	-	1.44E-01	9.620E-02	4.810E-02
Kai Tak Tunnel	KTTW	20	1.23	1441	0.425	753.255	0.209	-	1.05E-01	6.975E-02	3.487E-02
Kai Tak Tunnel	KTTW	21	1.23	1179	0.412	597.264	0.166	-	8.30E-02	5.530E-02	2.765E-02
Kai Tak Tunnel	KTTW	22	1.23	1203	0.411	607.450	0.169	-	8.44E-02	5.625E-02	2.812E-02
Kai Tak Tunnel	KTTW	23	1.23	921	0.409	463.883	0.129	-	6.44E-02	4.295E-02	2.148E-02
Kai Tak Tunnel	KTTW	24	1.23	941	0.410	475.110	0.132	-	6.60E-02	4.399E-02	2.200E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	7.95E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	7.99E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	3.99E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	4.01E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	4.04E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	8.32E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.24E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	2.10E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	3.07E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	2.52E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	2.06E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	2.04E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	2.03E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	2.00E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	2.47E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	2.44E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	2.41E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.39E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	2.76E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.97E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.54E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.55E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.16E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.18E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	219	0.255	6.991	0.002	-	1.94E-03	1.295E-03	6.473E-04
D2 Landscape Deck	D2ENB	2	0.125	217	0.258	6.990	0.002	-	1.94E-03	1.294E-03	6.472E-04
D2 Landscape Deck	D2ENB	3	0.125	106	0.253	3.355	0.001	-	9.32E-04	6.213E-04	3.107E-04
D2 Landscape Deck	D2ENB	4	0.125	104	0.254	3.304	0.001	-	9.18E-04	6.118E-04	3.059E-04
D2 Landscape Deck	D2ENB	5	0.125	103	0.257	3.307	0.001	-	9.19E-04	6.124E-04	3.062E-04
D2 Landscape Deck	D2ENB	6	0.125	202	0.264	6.664	0.002	-	1.85E-03	1.234E-03	6.170E-04
D2 Landscape Deck	D2ENB	7	0.125	299	0.272	10.151	0.003	-	2.82E-03	1.880E-03	9.399E-04
D2 Landscape Deck	D2ENB	8	0.125	490	0.267	16.325	0.005	-	4.53E-03	3.023E-03	1.512E-03
D2 Landscape Deck	D2ENB	9	0.125	674	0.269	22.649	0.006	-	6.29E-03	4.194E-03	2.097E-03
D2 Landscape Deck	D2ENB	10	0.125	593	0.265	19.670	0.005	-	5.46E-03	3.643E-03	1.821E-03
D2 Landscape Deck	D2ENB	11	0.125	505	0.260	16.444	0.005	-	4.57E-03	3.045E-03	1.523E-03
D2 Landscape Deck	D2ENB	12	0.125	517	0.260	16.780	0.005	-	4.66E-03	3.107E-03	1.554E-03
D2 Landscape Deck	D2ENB	13	0.125	529	0.258	17.029	0.005	-	4.73E-03	3.153E-03	1.577E-03
D2 Landscape Deck	D2ENB	14	0.125	540	0.257	17.332	0.005	-	4.81E-03	3.210E-03	1.605E-03
D2 Landscape Deck	D2ENB	15	0.125	664	0.257	21.345	0.006	-	5.93E-03	3.953E-03	1.976E-03
D2 Landscape Deck	D2ENB	16	0.125	678	0.255	21.616	0.006	-	6.00E-03	4.003E-03	2.001E-03
D2 Landscape Deck	D2ENB	17	0.125	691	0.252	21.746	0.006	-	6.04E-03	4.027E-03	2.013E-03
D2 Landscape Deck	D2ENB	18	0.125	705	0.250	22.044	0.006	-	6.12E-03	4.082E-03	2.041E-03
D2 Landscape Deck	D2ENB	19	0.125	834	0.239	24.910	0.007	-	6.92E-03	4.613E-03	2.306E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	588	0.244	17.966	0.005	-	4.99E-03	3.327E-03	1.663E-03
D2 Landscape Deck	D2ENB	21	0.125	466	0.244	14.239	0.004	-	3.96E-03	2.637E-03	1.318E-03
D2 Landscape Deck	D2ENB	22	0.125	459	0.247	14.152	0.004	-	3.93E-03	2.621E-03	1.310E-03
D2 Landscape Deck	D2ENB	23	0.125	335	0.237	9.955	0.003	-	2.77E-03	1.843E-03	9.217E-04
D2 Landscape Deck	D2ENB	24	0.125	331	0.239	9.919	0.003	-	2.76E-03	1.837E-03	9.184E-04
D2 Landscape Deck	D2MSB	1	0.125	237	0.248	7.362	0.002	-	2.04E-03	1.363E-03	6.816E-04
D2 Landscape Deck	D2MSB	2	0.125	248	0.245	7.599	0.002	-	2.11E-03	1.407E-03	7.036E-04
D2 Landscape Deck	D2MSB	3	0.125	129	0.240	3.866	0.001	-	1.07E-03	7.159E-04	3.580E-04
D2 Landscape Deck	D2MSB	4	0.125	134	0.240	4.025	0.001	-	1.12E-03	7.454E-04	3.727E-04
D2 Landscape Deck	D2MSB	5	0.125	141	0.240	4.228	0.001	-	1.17E-03	7.830E-04	3.915E-04
D2 Landscape Deck	D2MSB	6	0.125	295	0.264	9.753	0.003	-	2.71E-03	1.806E-03	9.031E-04
D2 Landscape Deck	D2MSB	7	0.125	456	0.256	14.574	0.004	-	4.05E-03	2.699E-03	1.349E-03
D2 Landscape Deck	D2MSB	8	0.125	792	0.259	25.648	0.007	-	7.12E-03	4.750E-03	2.375E-03
D2 Landscape Deck	D2MSB	9	0.125	1146	0.257	36.852	0.010	-	1.02E-02	6.825E-03	3.412E-03
D2 Landscape Deck	D2MSB	10	0.125	935	0.254	29.700	0.008	-	8.25E-03	5.500E-03	2.750E-03
D2 Landscape Deck	D2MSB	11	0.125	737	0.250	23.031	0.006	-	6.40E-03	4.265E-03	2.133E-03
D2 Landscape Deck	D2MSB	12	0.125	699	0.250	21.862	0.006	-	6.07E-03	4.048E-03	2.024E-03
D2 Landscape Deck	D2MSB	13	0.125	660	0.253	20.881	0.006	-	5.80E-03	3.867E-03	1.933E-03
D2 Landscape Deck	D2MSB	14	0.125	618	0.245	18.938	0.005	-	5.26E-03	3.507E-03	1.753E-03
D2 Landscape Deck	D2MSB	15	0.125	696	0.247	21.464	0.006	-	5.96E-03	3.975E-03	1.987E-03
D2 Landscape Deck	D2MSB	16	0.125	646	0.239	19.328	0.005	-	5.37E-03	3.579E-03	1.790E-03
D2 Landscape Deck	D2MSB	17	0.125	601	0.241	18.089	0.005	-	5.02E-03	3.350E-03	1.675E-03
D2 Landscape Deck	D2MSB	18	0.125	550	0.230	15.779	0.004	-	4.38E-03	2.922E-03	1.461E-03
D2 Landscape Deck	D2MSB	19	0.125	585	0.220	16.047	0.004	-	4.46E-03	2.972E-03	1.486E-03
D2 Landscape Deck	D2MSB	20	0.125	446	0.224	12.516	0.003	-	3.48E-03	2.318E-03	1.159E-03
D2 Landscape Deck	D2MSB	21	0.125	382	0.234	11.183	0.003	-	3.11E-03	2.071E-03	1.035E-03
D2 Landscape Deck	D2MSB	22	0.125	403	0.233	11.720	0.003	-	3.26E-03	2.170E-03	1.085E-03
D2 Landscape Deck	D2MSB	23	0.125	316	0.223	8.814	0.002	-	2.45E-03	1.632E-03	8.162E-04
D2 Landscape Deck	D2MSB	24	0.125	332	0.223	9.242	0.003	-	2.57E-03	1.711E-03	8.557E-04
D2 Landscape Deck	D2MNB	1	0.0374	238	0.241	2.146	0.001	-	5.96E-04	3.973E-04	1.987E-04
D2 Landscape Deck	D2MNB	2	0.0374	231	0.243	2.096	0.001	-	5.82E-04	3.882E-04	1.941E-04
D2 Landscape Deck	D2MNB	3	0.0374	112	0.243	1.017	0.000	-	2.82E-04	1.883E-04	9.415E-05
D2 Landscape Deck	D2MNB	4	0.0374	110	0.246	1.014	0.000	-	2.82E-04	1.877E-04	9.384E-05
D2 Landscape Deck	D2MNB	5	0.0374	106	0.249	0.988	0.000	-	2.74E-04	1.829E-04	9.145E-05
D2 Landscape Deck	D2MNB	6	0.0374	209	0.255	1.993	0.001	-	5.53E-04	3.690E-04	1.845E-04
D2 Landscape Deck	D2MNB	7	0.0374	304	0.261	2.971	0.001	-	8.25E-04	5.502E-04	2.751E-04
D2 Landscape Deck	D2MNB	8	0.0374	493	0.259	4.780	0.001	-	1.33E-03	8.852E-04	4.426E-04
D2 Landscape Deck	D2MNB	9	0.0374	672	0.267	6.719	0.002	-	1.87E-03	1.244E-03	6.221E-04
D2 Landscape Deck	D2MNB	10	0.0374	597	0.255	5.683	0.002	-	1.58E-03	1.052E-03	5.262E-04
D2 Landscape Deck	D2MNB	11	0.0374	517	0.248	4.798	0.001	-	1.33E-03	8.886E-04	4.443E-04
D2 Landscape Deck	D2MNB	12	0.0374	536	0.244	4.897	0.001	-	1.36E-03	9.069E-04	4.534E-04
D2 Landscape Deck	D2MNB	13	0.0374	558	0.245	5.115	0.001	-	1.42E-03	9.472E-04	4.736E-04
D2 Landscape Deck	D2MNB	14	0.0374	577	0.240	5.182	0.001	-	1.44E-03	9.596E-04	4.798E-04
D2 Landscape Deck	D2MNB	15	0.0374	718	0.237	6.358	0.002	-	1.77E-03	1.177E-03	5.887E-04
D2 Landscape Deck	D2MNB	16	0.0374	741	0.232	6.434	0.002	-	1.79E-03	1.192E-03	5.958E-04
D2 Landscape Deck	D2MNB	17	0.0374	764	0.227	6.498	0.002	-	1.81E-03	1.203E-03	6.017E-04
D2 Landscape Deck	D2MNB	18	0.0374	788	0.221	6.523	0.002	-	1.81E-03	1.208E-03	6.040E-04
D2 Landscape Deck	D2MNB	19	0.0374	945	0.218	7.707	0.002	-	2.14E-03	1.427E-03	7.136E-04
D2 Landscape Deck	D2MNB	20	0.0374	658	0.215	5.299	0.001	-	1.47E-03	9.813E-04	4.906E-04
D2 Landscape Deck	D2MNB	21	0.0374	518	0.222	4.293	0.001	-	1.19E-03	7.951E-04	3.975E-04
D2 Landscape Deck	D2MNB	22	0.0374	506	0.225	4.254	0.001	-	1.18E-03	7.877E-04	3.939E-04
D2 Landscape Deck	D2MNB	23	0.0374	368	0.211	2.905	0.001	-	8.07E-04	5.379E-04	2.690E-04
D2 Landscape Deck	D2MNB	24	0.0374	357	0.214	2.849	0.001	-	7.91E-04	5.276E-04	2.638E-04
D2 Landscape Deck	D2WSB	1	0.0374	245	0.247	2.262	0.001	-	6.28E-04	4.188E-04	2.094E-04
D2 Landscape Deck	D2WSB	2	0.0374	254	0.244	2.319	0.001	-	6.44E-04	4.295E-04	2.147E-04
D2 Landscape Deck	D2WSB	3	0.0374	133	0.241	1.201	0.000	-	3.33E-04	2.223E-04	1.112E-04
D2 Landscape Deck	D2WSB	4	0.0374	139	0.240	1.249	0.000	-	3.47E-04	2.313E-04	1.156E-04
D2 Landscape Deck	D2WSB	5	0.0374	143	0.239	1.279	0.000	-	3.55E-04	2.369E-04	1.184E-04
D2 Landscape Deck	D2WSB	6	0.0374	300	0.263	2.947	0.001	-	8.18E-04	5.457E-04	2.728E-04
D2 Landscape Deck	D2WSB	7	0.0374	462	0.255	4.403	0.001	-	1.22E-03	8.153E-04	4.076E-04
D2 Landscape Deck	D2WSB	8	0.0374	799	0.260	7.757	0.002	-	2.15E-03	1.436E-03	7.182E-04
D2 Landscape Deck	D2WSB	9	0.0374	1153	0.257	11.073	0.003	-	3.08E-03	2.051E-03	1.025E-03
D2 Landscape Deck	D2WSB	10	0.0374	943	0.253	8.930	0.002	-	2.48E-03	1.654E-03	8.268E-04
D2 Landscape Deck	D2WSB	11	0.0374	752	0.255	7.177	0.002	-	1.99E-03	1.329E-03	6.646E-04
D2 Landscape Deck	D2WSB	12	0.0374	715	0.253	6.772	0.002	-	1.88E-03	1.254E-03	6.270E-04
D2 Landscape Deck	D2WSB	13	0.0374	677	0.253	6.417	0.002	-	1.78E-03	1.188E-03	5.941E-04
D2 Landscape Deck	D2WSB	14	0.0374	639	0.249	5.947	0.002	-	1.65E-03	1.101E-03	5.507E-04
D2 Landscape Deck	D2WSB	15	0.0374	725	0.250	6.782	0.002	-	1.88E-03	1.256E-03	6.279E-04
D2 Landscape Deck	D2WSB	16	0.0374	680	0.243	6.177	0.002	-	1.72E-03	1.144E-03	5.719E-04
D2 Landscape Deck	D2WSB	17	0.0374	636	0.244	5.815	0.002	-	1.62E-03	1.077E-03	5.384E-04
D2 Landscape Deck	D2WSB	18	0.0374	590	0.237	5.221	0.001	-	1.45E-03	9.669E-04	4.834E-04
D2 Landscape Deck	D2WSB	19	0.0374	637	0.232	5.530	0.002	-	1.54E-03	1.024E-03	5.121E-04
D2 Landscape Deck	D2WSB	20	0.0374	482	0.234	4.217	0.001	-	1.17E-03	7.809E-04	3.905E-04
D2 Landscape Deck	D2WSB	21	0.0374	406	0.239	3.625	0.001	-	1.01E-03	6.712E-04	3.356E-04
D2 Landscape Deck	D2WSB	22	0.0374	428	0.241	3.860	0.001	-	1.07E-03	7.148E-04	3.574E-04
D2 Landscape Deck	D2WSB	23	0.0374	335	0.233	2.918	0.001	-	8.11E-04	5.404E-04	2.702E-04
D2 Landscape Deck	D2WSB	24	0.0374	349	0.232	3.031	0.001	-	8.42E-04	5.613E-04	2.806E-04
CKR Slip Road	S3SB	1	0.103	316	0.396	12.900	0.004	-	3.58E-03	2.389E-03	1.194E-03
CKR Slip Road	S3SB	2	0.103	320	0.387	12.768	0.004	-	3.55E-03	2.364E-03	1.182E-03
CKR Slip Road	S3SB	3	0.103	164	0.380	6.419	0.002	-	1.78E-03	1.189E-03	5.944E-04
CKR Slip Road	S3SB	4	0.103	167	0.374	6.433	0.002	-	1.79E-03	1.191E-03	5.956E-04
CKR Slip Road	S3SB	5	0.103	168	0.361	6.238	0.002	-	1.73E-03	1.155E-03	5.776E-04
CKR Slip Road	S3SB	6	0.103	342	0.358	12.597	0.003	-	3.50E-03	2.333E-03	1.166E-03
CKR Slip Road	S3SB	7	0.103	524	0.358	19.315	0.005	-	5.37E-03	3.577E-03	1.788E-03
CKR Slip Road	S3SB	8	0.103	885	0.349	31.820	0.009	-	8.84E-03	5.893E-03	2.946E-03
CKR Slip Road	S3SB	9	0.103	1256	0.354	45.843	0.013	-	1.27E-02	8.489E-03	4.245E-03
CKR Slip Road	S3SB	10	0.103	1053	0.351	38.041	0.011	-	1.06E-02	7.045E-03	3.522E-03
CKR Slip Road	S3SB	11	0.103	859	0.360	31.859	0.009	-	8.85E-03	5.900E-03	2.950E-03
CKR Slip Road	S3SB	12	0.103	839	0.369	31.898	0.009	-	8.86E-03	5.907E-03	2.954E-03
CKR Slip Road	S3SB	13	0.103	820	0.378	31.955	0.009	-	8.88E-03	5.918E-03	2.959E-03
CKR Slip Road	S3SB	14	0.103	802	0.391	32.281	0.009	-	8.97E-03	5.978E-03	2.989E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	936	0.410	39.485	0.011	-	1.10E-02	7.312E-03	3.656E-03
CKR Slip Road	S3SB	16	0.103	914	0.421	39.598	0.011	-	1.10E-02	7.333E-03	3.666E-03
CKR Slip Road	S3SB	17	0.103	890	0.434	39.781	0.011	-	1.11E-02	7.367E-03	3.683E-03
CKR Slip Road	S3SB	18	0.103	869	0.445	39.854	0.011	-	1.11E-02	7.380E-03	3.690E-03
CKR Slip Road	S3SB	19	0.103	985	0.460	46.685	0.013	-	1.30E-02	8.645E-03	4.323E-03
CKR Slip Road	S3SB	20	0.103	718	0.446	33.015	0.009	-	9.17E-03	6.114E-03	3.057E-03
CKR Slip Road	S3SB	21	0.103	587	0.425	25.718	0.007	-	7.14E-03	4.763E-03	2.381E-03
CKR Slip Road	S3SB	22	0.103	597	0.417	25.650	0.007	-	7.12E-03	4.750E-03	2.375E-03
CKR Slip Road	S3SB	23	0.103	454	0.404	18.895	0.005	-	5.25E-03	3.499E-03	1.750E-03
CKR Slip Road	S3SB	24	0.103	463	0.403	19.241	0.005	-	5.34E-03	3.563E-03	1.782E-03
CKR Landscape Deck	CKRLDSWB	1	0.195	1060	0.351	72.636	0.020	-	2.02E-02	1.345E-02	6.726E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1063	0.353	73.106	0.020	-	2.03E-02	1.354E-02	6.769E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	533	0.355	36.927	0.010	-	1.03E-02	6.838E-03	3.419E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	536	0.356	37.165	0.010	-	1.03E-02	6.882E-03	3.441E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	536	0.359	37.478	0.010	-	1.04E-02	6.940E-03	3.470E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1078	0.360	75.681	0.021	-	2.10E-02	1.401E-02	7.007E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	1625	0.364	115.304	0.032	-	3.20E-02	2.135E-02	1.068E-02
CKR Landscape Deck	CKRLDSWB	8	0.195	2719	0.373	197.762	0.055	-	5.49E-02	3.662E-02	1.831E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	3822	0.386	287.676	0.080	-	7.99E-02	5.327E-02	2.664E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	3258	0.370	235.129	0.065	-	6.53E-02	4.354E-02	2.177E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	2700	0.368	193.787	0.054	-	5.38E-02	3.589E-02	1.794E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	2687	0.367	192.475	0.053	-	5.35E-02	3.564E-02	1.782E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	2670	0.365	189.908	0.053	-	5.28E-02	3.517E-02	1.758E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	2657	0.363	187.963	0.052	-	5.22E-02	3.481E-02	1.740E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	3170	0.360	222.497	0.062	-	6.18E-02	4.120E-02	2.060E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	3154	0.356	219.237	0.061	-	6.09E-02	4.060E-02	2.030E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	3134	0.352	215.075	0.060	-	5.97E-02	3.983E-02	1.991E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	3116	0.349	211.872	0.059	-	5.89E-02	3.924E-02	1.962E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	3613	0.346	243.614	0.068	-	6.77E-02	4.511E-02	2.256E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	2592	0.348	175.882	0.049	-	4.89E-02	3.257E-02	1.629E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2083	0.344	139.544	0.039	-	3.88E-02	2.584E-02	1.292E-02
CKR Landscape Deck	CKRLDSWB	22	0.195	2091	0.345	140.703	0.039	-	3.91E-02	2.606E-02	1.303E-02
CKR Landscape Deck	CKRLDSWB	23	0.195	1572	0.345	105.868	0.029	-	2.94E-02	1.961E-02	9.803E-03
CKR Landscape Deck	CKRLDSWB	24	0.195	1579	0.349	107.481	0.030	-	2.99E-02	1.990E-02	9.952E-03
CKR Landscape Deck	CKRLDNEB	1	0.195	1072	0.330	69.004	0.019	-	1.92E-02	1.278E-02	6.389E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1080	0.329	425.092	0.118	-	1.18E-01	7.872E-02	3.936E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	543	0.328	391.252	0.109	-	1.09E-01	7.245E-02	3.623E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	548	0.325	569.822	0.158	-	1.58E-01	1.055E-01	5.276E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	553	0.328	761.998	0.212	-	2.12E-01	1.411E-01	7.056E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1114	0.326	1884.593	0.523	-	5.23E-01	3.490E-01	1.745E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	1682	0.326	3394.587	0.943	-	9.43E-01	6.286E-01	3.143E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	2823	0.332	6741.054	1.873	-	1.87E+00	1.248E+00	6.242E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	3981	0.341	11122.615	3.090	-	3.09E+00	2.060E+00	1.030E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	3377	0.330	10256.408	2.849	-	2.85E+00	1.899E+00	9.497E-01
CKR Landscape Deck	CKRLDNEB	11	10.195	2784	0.332	9423.378	2.618	-	2.62E+00	1.745E+00	8.725E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	2758	0.335	10334.945	2.871	-	2.87E+00	1.914E+00	9.569E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	2729	0.337	11215.945	3.116	-	3.12E+00	2.077E+00	1.039E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	2700	0.338	12053.033	3.348	-	3.35E+00	2.232E+00	1.116E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	3207	0.340	15479.548	4.300	-	4.30E+00	2.867E+00	1.433E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	3173	0.341	16426.766	4.563	-	4.56E+00	3.042E+00	1.521E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	3139	0.341	17309.716	4.808	-	4.81E+00	3.206E+00	1.603E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3105	0.342	18246.873	5.069	-	5.07E+00	3.379E+00	1.690E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	3581	0.343	22366.321	6.213	-	6.21E+00	4.142E+00	2.071E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	2577	0.343	16952.370	4.709	-	4.71E+00	3.139E+00	1.570E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	2079	0.334	14022.564	3.895	-	3.90E+00	2.597E+00	1.298E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	2096	0.334	14818.694	4.116	-	4.12E+00	2.744E+00	1.372E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	1580	0.331	11622.358	3.228	-	3.23E+00	2.152E+00	1.076E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	1595	0.330	12224.442	3.396	-	3.40E+00	2.264E+00	1.132E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1072	0.330	707.730	0.197	0.136	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1080	0.329	711.451	0.198	0.136	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	543	0.328	356.494	0.099	0.068	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	548	0.325	356.696	0.099	0.068	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	553	0.328	363.289	0.101	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1114	0.326	725.541	0.202	0.139	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1682	0.326	1095.912	0.304	0.210	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	2823	0.332	1873.816	0.521	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	3981	0.341	2714.488	0.754	0.535	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3377	0.330	2230.866	0.620	0.440	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	2784	0.332	1848.627	0.514	0.360	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	2758	0.335	1846.350	0.513	0.361	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	2729	0.337	1839.433	0.511	0.360	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	2700	0.338	1826.909	0.507	0.357	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3207	0.340	2180.986	0.606	0.426	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3173	0.341	2162.128	0.601	0.421	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3139	0.341	2137.662	0.594	0.416	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3105	0.342	2122.346	0.590	0.419	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	3581	0.343	2458.513	0.683	0.485	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2577	0.343	1766.332	0.491	0.344	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2079	0.334	1388.716	0.386	0.267	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2096	0.334	1398.320	0.388	0.269	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1580	0.331	1047.295	0.291	0.201	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1595	0.330	1054.058	0.293	0.202	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1072	0.330	619.264	0.172	-	0.308	0.277	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	2	1.75	1080	0.329	622.520	0.173	-	0.309	0.278	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	3	1.75	543	0.328	311.932	0.087	-	0.155	0.139	0.015	0.010	0.005
CKR Tunnel	CKRTEEB	4	1.75	548	0.325	312.109	0.087	-	0.155	0.139	0.015	0.010	0.005
CKR Tunnel	CKRTEEB	5	1.75	553	0.328	317.878	0.088	-	0.158	0.142	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	6	1.75	1114	0.326	634.848	0.176	-	0.315	0.284	0.032	0.021	0.011
CKR Tunnel	CKRTEEB	7	1.75	1682	0.326	958.923	0.266	-	0.476	0.429	0.048	0.032	0.016
CKR Tunnel	CKRTEEB	8	1.75	2823	0.332	1639.589	0.455	-	0.822	0.740	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	9	1.75	3981	0.341	2375.177	0.660	-	1.195	1.076	0.120	0.080	0.040
CKR Tunnel	CKRTEEB	10	1.75	3377	0.330	1952.008	0.542	-	0.982	0.884	0.098	0.065	0.033
CKR Tunnel	CKRTEEB	11	1.75	2784	0.332	1617.549	0.449	-	0.809	0.729	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	12	1.75	2758	0.335	1615.556	0.449	-	0.810	0.729	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	13	1.75	2729	0.337	1609.504	0.447	-	0.807	0.726	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	14	1.75	2700	0.338	1598.546	0.444	-	0.801	0.721	0.080	0.053	0.027
CKR Tunnel	CKRTEEB	15	1.75	3207	0.340	1908.363	0.530	-	0.956	0.861	0.096	0.064	0.032
CKR Tunnel	CKRTEEB	16	1.75	3173	0.341	1891.862	0.526	-	0.947	0.852	0.095	0.063	0.032
CKR Tunnel	CKRTEEB	17	1.75	3139	0.341	1870.454	0.520	-	0.936	0.842	0.094	0.062	0.031
CKR Tunnel	CKRTEEB	18	1.75	3105	0.342	1857.053	0.516	-	0.934	0.841	0.093	0.062	0.031
CKR Tunnel	CKRTEEB	19	1.75	3581	0.343	2151.199	0.598	-	1.082	0.974	0.108	0.072	0.036
CKR Tunnel	CKRTEEB	20	1.75	2577	0.343	1545.540	0.429	-	0.773	0.696	0.077	0.052	0.026
CKR Tunnel	CKRTEEB	21	1.75	2079	0.334	1215.127	0.338	-	0.605	0.544	0.060	0.040	0.020
CKR Tunnel	CKRTEEB	22	1.75	2096	0.334	1223.530	0.340	-	0.609	0.548	0.061	0.041	0.020
CKR Tunnel	CKRTEEB	23	1.75	1580	0.331	916.383	0.255	-	0.456	0.410	0.046	0.030	0.015
CKR Tunnel	CKRTEEB	24	1.75	1595	0.330	922.301	0.256	-	0.458	0.412	0.046	0.031	0.015
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.277	-	0.260	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.278	-	0.262	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.139	-	0.131	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.139	-	0.131	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.142	-	0.134	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.284	-	0.267	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.429	-	0.403	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.740	-	0.695	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	1.076	-	1.011	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.884	-	0.831	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.729	-	0.685	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.729	-	0.685	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.726	-	0.682	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.721	-	0.678	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.861	-	0.809	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.852	-	0.801	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.842	-	0.792	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.841	-	0.791	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.974	-	0.916	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.696	-	0.654	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.544	-	0.511	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.548	-	0.515	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.410	-	0.386	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.412	-	0.388	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	601	0.335	247.712	0.069	-	3.44E-02	2.294E-02	1.147E-02
Kai Tak Tunnel	KTTE	2	1.23	593	0.337	245.580	0.068	-	3.41E-02	2.274E-02	1.137E-02
Kai Tak Tunnel	KTTE	3	1.23	294	0.333	120.533	0.033	-	1.67E-02	1.116E-02	5.580E-03
Kai Tak Tunnel	KTTE	4	1.23	289	0.336	119.342	0.033	-	1.66E-02	1.105E-02	5.525E-03
Kai Tak Tunnel	KTTE	5	1.23	286	0.336	118.280	0.033	-	1.64E-02	1.095E-02	5.476E-03
Kai Tak Tunnel	KTTE	6	1.23	566	0.339	236.227	0.066	-	3.28E-02	2.187E-02	1.094E-02
Kai Tak Tunnel	KTTE	7	1.23	836	0.342	351.399	0.098	-	4.88E-02	3.254E-02	1.627E-02
Kai Tak Tunnel	KTTE	8	1.23	1376	0.340	576.057	0.160	-	8.00E-02	5.334E-02	2.667E-02
Kai Tak Tunnel	KTTE	9	1.23	1901	0.356	832.414	0.231	-	1.16E-01	7.708E-02	3.854E-02
Kai Tak Tunnel	KTTE	10	1.23	1661	0.342	699.694	0.194	-	9.72E-02	6.479E-02	3.239E-02
Kai Tak Tunnel	KTTE	11	1.23	1409	0.339	586.883	0.163	-	8.15E-02	5.434E-02	2.717E-02
Kai Tak Tunnel	KTTE	12	1.23	1431	0.337	592.650	0.165	-	8.23E-02	5.488E-02	2.744E-02
Kai Tak Tunnel	KTTE	13	1.23	1457	0.338	605.005	0.168	-	8.40E-02	5.602E-02	2.801E-02
Kai Tak Tunnel	KTTE	14	1.23	1479	0.334	607.822	0.169	-	8.44E-02	5.628E-02	2.814E-02
Kai Tak Tunnel	KTTE	15	1.23	1809	0.347	771.185	0.214	-	1.07E-01	7.141E-02	3.570E-02
Kai Tak Tunnel	KTTE	16	1.23	1838	0.345	779.711	0.217	-	1.08E-01	7.220E-02	3.610E-02
Kai Tak Tunnel	KTTE	17	1.23	1869	0.344	790.310	0.220	-	1.10E-01	7.318E-02	3.659E-02
Kai Tak Tunnel	KTTE	18	1.23	1899	0.344	802.390	0.223	-	1.11E-01	7.430E-02	3.715E-02
Kai Tak Tunnel	KTTE	19	1.23	2251	0.342	946.234	0.263	-	1.31E-01	8.761E-02	4.381E-02
Kai Tak Tunnel	KTTE	20	1.23	1588	0.342	667.692	0.185	-	9.27E-02	6.182E-02	3.091E-02
Kai Tak Tunnel	KTTE	21	1.23	1257	0.329	508.991	0.141	-	7.07E-02	4.713E-02	2.356E-02
Kai Tak Tunnel	KTTE	22	1.23	1242	0.331	506.208	0.141	-	7.03E-02	4.687E-02	2.344E-02
Kai Tak Tunnel	KTTE	23	1.23	921	0.331	374.579	0.104	-	5.20E-02	3.468E-02	1.734E-02
Kai Tak Tunnel	KTTE	24	1.23	910	0.332	371.814	0.103	-	5.16E-02	3.443E-02	1.721E-02
Kai Tak Tunnel	KTTW	1	1.23	639	0.414	325.037	0.090	-	4.51E-02	3.010E-02	1.505E-02
Kai Tak Tunnel	KTTW	2	1.23	653	0.411	329.912	0.092	-	4.58E-02	3.055E-02	1.527E-02
Kai Tak Tunnel	KTTW	3	1.23	331	0.410	166.956	0.046	-	2.32E-02	1.546E-02	7.729E-03
Kai Tak Tunnel	KTTW	4	1.23	338	0.407	169.158	0.047	-	2.35E-02	1.566E-02	7.831E-03
Kai Tak Tunnel	KTTW	5	1.23	345	0.407	172.855	0.048	-	2.40E-02	1.601E-02	8.003E-03
Kai Tak Tunnel	KTTW	6	1.23	706	0.417	362.465	0.101	-	5.03E-02	3.356E-02	1.678E-02
Kai Tak Tunnel	KTTW	7	1.23	1073	0.413	544.933	0.151	-	7.57E-02	5.046E-02	2.523E-02
Kai Tak Tunnel	KTTW	8	1.23	1823	0.416	933.854	0.259	-	1.30E-01	8.647E-02	4.323E-02
Kai Tak Tunnel	KTTW	9	1.23	2595	0.433	1381.384	0.384	-	1.92E-01	1.279E-01	6.395E-02
Kai Tak Tunnel	KTTW	10	1.23	2170	0.418	1116.850	0.310	-	1.55E-01	1.034E-01	5.171E-02
Kai Tak Tunnel	KTTW	11	1.23	1764	0.413	896.726	0.249	-	1.25E-01	8.303E-02	4.152E-02
Kai Tak Tunnel	KTTW	12	1.23	1719	0.414	874.628	0.243	-	1.21E-01	8.098E-02	4.049E-02
Kai Tak Tunnel	KTTW	13	1.23	1677	0.416	857.131	0.238	-	1.19E-01	7.936E-02	3.968E-02
Kai Tak Tunnel	KTTW	14	1.23	1630	0.415	832.714	0.231	-	1.16E-01	7.710E-02	3.855E-02
Kai Tak Tunnel	KTTW	15	1.23	1905	0.430	1007.870	0.280	-	1.40E-01	9.332E-02	4.666E-02
Kai Tak Tunnel	KTTW	16	1.23	1850	0.428	974.832	0.271	-	1.35E-01	9.026E-02	4.513E-02
Kai Tak Tunnel	KTTW	17	1.23	1799	0.428	947.927	0.263	-	1.32E-01	8.777E-02	4.389E-02
Kai Tak Tunnel	KTTW	18	1.23	1743	0.427	915.432	0.254	-	1.27E-01	8.476E-02	4.238E-02
Kai Tak Tunnel	KTTW	19	1.23	1973	0.428	1039.330	0.289	-	1.44E-01	9.623E-02	4.812E-02
Kai Tak Tunnel	KTTW	20	1.23	1441	0.425	753.720	0.209	-	1.05E-01	6.979E-02	3.489E-02
Kai Tak Tunnel	KTTW	21	1.23	1179	0.412	597.264	0.166	-	8.30E-02	5.530E-02	2.765E-02
Kai Tak Tunnel	KTTW	22	1.23	1203	0.411	607.450	0.169	-	8.44E-02	5.625E-02	2.812E-02
Kai Tak Tunnel	KTTW	23	1.23	921	0.410	464.540	0.129	-	6.45E-02	4.301E-02	2.151E-02
Kai Tak Tunnel	KTTW	24	1.23	941	0.411	475.770	0.132	-	6.61E-02	4.405E-02	2.203E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	7.95E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	7.99E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	3.99E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	4.01E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	4.04E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	8.32E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.24E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	2.10E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	3.07E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	2.52E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	2.06E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	2.04E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	2.03E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	2.00E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	2.47E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	2.44E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	2.41E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.39E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	2.76E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.97E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.54E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.55E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.17E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.18E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	219	0.255	6.991	0.002	-	1.94E-03	1.295E-03	6.473E-04
D2 Landscape Deck	D2ENB	2	0.125	217	0.258	6.990	0.002	-	1.94E-03	1.294E-03	6.472E-04
D2 Landscape Deck	D2ENB	3	0.125	106	0.253	3.355	0.001	-	9.32E-04	6.213E-04	3.107E-04
D2 Landscape Deck	D2ENB	4	0.125	104	0.254	3.304	0.001	-	9.18E-04	6.118E-04	3.059E-04
D2 Landscape Deck	D2ENB	5	0.125	103	0.257	3.307	0.001	-	9.19E-04	6.124E-04	3.062E-04
D2 Landscape Deck	D2ENB	6	0.125	202	0.264	6.664	0.002	-	1.85E-03	1.234E-03	6.170E-04
D2 Landscape Deck	D2ENB	7	0.125	299	0.272	10.151	0.003	-	2.82E-03	1.880E-03	9.399E-04
D2 Landscape Deck	D2ENB	8	0.125	490	0.267	16.325	0.005	-	4.53E-03	3.023E-03	1.512E-03
D2 Landscape Deck	D2ENB	9	0.125	674	0.269	22.649	0.006	-	6.29E-03	4.194E-03	2.097E-03
D2 Landscape Deck	D2ENB	10	0.125	593	0.265	19.670	0.005	-	5.46E-03	3.643E-03	1.821E-03
D2 Landscape Deck	D2ENB	11	0.125	505	0.260	16.444	0.005	-	4.57E-03	3.045E-03	1.523E-03
D2 Landscape Deck	D2ENB	12	0.125	517	0.260	16.780	0.005	-	4.66E-03	3.107E-03	1.554E-03
D2 Landscape Deck	D2ENB	13	0.125	529	0.258	17.029	0.005	-	4.73E-03	3.153E-03	1.577E-03
D2 Landscape Deck	D2ENB	14	0.125	540	0.257	17.332	0.005	-	4.81E-03	3.210E-03	1.605E-03
D2 Landscape Deck	D2ENB	15	0.125	664	0.257	21.345	0.006	-	5.93E-03	3.953E-03	1.976E-03
D2 Landscape Deck	D2ENB	16	0.125	678	0.255	21.616	0.006	-	6.00E-03	4.003E-03	2.001E-03
D2 Landscape Deck	D2ENB	17	0.125	691	0.252	21.746	0.006	-	6.04E-03	4.027E-03	2.013E-03
D2 Landscape Deck	D2ENB	18	0.125	705	0.250	22.044	0.006	-	6.12E-03	4.082E-03	2.041E-03
D2 Landscape Deck	D2ENB	19	0.125	1140	0.242	34.442	0.010	-	9.57E-03	6.378E-03	3.189E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	895	0.246	27.482	0.008	-	7.63E-03	5.089E-03	2.545E-03
D2 Landscape Deck	D2ENB	21	0.125	466	0.244	14.239	0.004	-	3.96E-03	2.637E-03	1.318E-03
D2 Landscape Deck	D2ENB	22	0.125	459	0.247	14.152	0.004	-	3.93E-03	2.621E-03	1.310E-03
D2 Landscape Deck	D2ENB	23	0.125	530	0.240	15.920	0.004	-	4.42E-03	2.948E-03	1.474E-03
D2 Landscape Deck	D2ENB	24	0.125	526	0.242	15.889	0.004	-	4.41E-03	2.942E-03	1.471E-03
D2 Landscape Deck	D2MSB	1	0.125	237	0.248	7.362	0.002	-	2.04E-03	1.363E-03	6.816E-04
D2 Landscape Deck	D2MSB	2	0.125	248	0.245	7.599	0.002	-	2.11E-03	1.407E-03	7.036E-04
D2 Landscape Deck	D2MSB	3	0.125	129	0.240	3.866	0.001	-	1.07E-03	7.159E-04	3.580E-04
D2 Landscape Deck	D2MSB	4	0.125	134	0.240	4.025	0.001	-	1.12E-03	7.454E-04	3.727E-04
D2 Landscape Deck	D2MSB	5	0.125	141	0.240	4.228	0.001	-	1.17E-03	7.830E-04	3.915E-04
D2 Landscape Deck	D2MSB	6	0.125	295	0.264	9.753	0.003	-	2.71E-03	1.806E-03	9.031E-04
D2 Landscape Deck	D2MSB	7	0.125	456	0.256	14.574	0.004	-	4.05E-03	2.699E-03	1.349E-03
D2 Landscape Deck	D2MSB	8	0.125	792	0.259	25.648	0.007	-	7.12E-03	4.750E-03	2.375E-03
D2 Landscape Deck	D2MSB	9	0.125	1146	0.257	36.852	0.010	-	1.02E-02	6.825E-03	3.412E-03
D2 Landscape Deck	D2MSB	10	0.125	935	0.254	29.700	0.008	-	8.25E-03	5.500E-03	2.750E-03
D2 Landscape Deck	D2MSB	11	0.125	737	0.250	23.031	0.006	-	6.40E-03	4.235E-03	2.133E-03
D2 Landscape Deck	D2MSB	12	0.125	699	0.250	21.862	0.006	-	6.07E-03	4.048E-03	2.024E-03
D2 Landscape Deck	D2MSB	13	0.125	660	0.253	20.881	0.006	-	5.80E-03	3.867E-03	1.933E-03
D2 Landscape Deck	D2MSB	14	0.125	618	0.245	18.938	0.005	-	5.26E-03	3.507E-03	1.753E-03
D2 Landscape Deck	D2MSB	15	0.125	696	0.247	21.464	0.006	-	5.96E-03	3.975E-03	1.987E-03
D2 Landscape Deck	D2MSB	16	0.125	646	0.239	19.328	0.005	-	5.37E-03	3.579E-03	1.790E-03
D2 Landscape Deck	D2MSB	17	0.125	601	0.241	18.089	0.005	-	5.02E-03	3.350E-03	1.675E-03
D2 Landscape Deck	D2MSB	18	0.125	550	0.230	15.779	0.004	-	4.38E-03	2.922E-03	1.461E-03
D2 Landscape Deck	D2MSB	19	0.125	750	0.221	20.700	0.006	-	5.75E-03	3.833E-03	1.917E-03
D2 Landscape Deck	D2MSB	20	0.125	611	0.225	17.167	0.005	-	4.77E-03	3.179E-03	1.590E-03
D2 Landscape Deck	D2MSB	21	0.125	382	0.234	11.183	0.003	-	3.11E-03	2.071E-03	1.035E-03
D2 Landscape Deck	D2MSB	22	0.125	403	0.233	11.720	0.003	-	3.26E-03	2.170E-03	1.085E-03
D2 Landscape Deck	D2MSB	23	0.125	625	0.224	17.515	0.005	-	4.87E-03	3.243E-03	1.622E-03
D2 Landscape Deck	D2MSB	24	0.125	641	0.224	17.953	0.005	-	4.99E-03	3.325E-03	1.662E-03
D2 Landscape Deck	D2MNB	1	0.0374	238	0.241	2.146	0.001	-	5.96E-04	3.973E-04	1.987E-04
D2 Landscape Deck	D2MNB	2	0.0374	231	0.243	2.096	0.001	-	5.82E-04	3.882E-04	1.941E-04
D2 Landscape Deck	D2MNB	3	0.0374	112	0.243	1.017	0.000	-	2.82E-04	1.883E-04	9.415E-05
D2 Landscape Deck	D2MNB	4	0.0374	110	0.246	1.014	0.000	-	2.82E-04	1.877E-04	9.384E-05
D2 Landscape Deck	D2MNB	5	0.0374	106	0.249	0.988	0.000	-	2.74E-04	1.829E-04	9.145E-05
D2 Landscape Deck	D2MNB	6	0.0374	209	0.255	1.993	0.001	-	5.53E-04	3.690E-04	1.845E-04
D2 Landscape Deck	D2MNB	7	0.0374	304	0.261	2.971	0.001	-	8.25E-04	5.502E-04	2.751E-04
D2 Landscape Deck	D2MNB	8	0.0374	493	0.259	4.780	0.001	-	1.33E-03	8.852E-04	4.426E-04
D2 Landscape Deck	D2MNB	9	0.0374	672	0.267	6.719	0.002	-	1.87E-03	1.244E-03	6.221E-04
D2 Landscape Deck	D2MNB	10	0.0374	597	0.255	5.683	0.002	-	1.58E-03	1.052E-03	5.262E-04
D2 Landscape Deck	D2MNB	11	0.0374	517	0.248	4.798	0.001	-	1.33E-03	8.886E-04	4.443E-04
D2 Landscape Deck	D2MNB	12	0.0374	536	0.244	4.897	0.001	-	1.36E-03	9.069E-04	4.534E-04
D2 Landscape Deck	D2MNB	13	0.0374	558	0.245	5.115	0.001	-	1.42E-03	9.472E-04	4.736E-04
D2 Landscape Deck	D2MNB	14	0.0374	577	0.240	5.182	0.001	-	1.44E-03	9.596E-04	4.798E-04
D2 Landscape Deck	D2MNB	15	0.0374	718	0.237	6.358	0.002	-	1.77E-03	1.177E-03	5.887E-04
D2 Landscape Deck	D2MNB	16	0.0374	741	0.232	6.434	0.002	-	1.79E-03	1.192E-03	5.958E-04
D2 Landscape Deck	D2MNB	17	0.0374	764	0.227	6.498	0.002	-	1.81E-03	1.203E-03	6.017E-04
D2 Landscape Deck	D2MNB	18	0.0374	788	0.221	6.523	0.002	-	1.81E-03	1.208E-03	6.040E-04
D2 Landscape Deck	D2MNB	19	0.0374	1341	0.218	10.922	0.003	-	3.03E-03	2.023E-03	1.011E-03
D2 Landscape Deck	D2MNB	20	0.0374	1054	0.216	8.510	0.002	-	2.36E-03	1.576E-03	7.880E-04
D2 Landscape Deck	D2MNB	21	0.0374	518	0.222	4.293	0.001	-	1.19E-03	7.951E-04	3.975E-04
D2 Landscape Deck	D2MNB	22	0.0374	506	0.225	4.254	0.001	-	1.18E-03	7.877E-04	3.939E-04
D2 Landscape Deck	D2MNB	23	0.0374	514	0.210	4.045	0.001	-	1.12E-03	7.490E-04	3.745E-04
D2 Landscape Deck	D2MNB	24	0.0374	503	0.212	3.990	0.001	-	1.11E-03	7.389E-04	3.694E-04
D2 Landscape Deck	D2WSB	1	0.0374	245	0.247	2.262	0.001	-	6.28E-04	4.188E-04	2.094E-04
D2 Landscape Deck	D2WSB	2	0.0374	254	0.244	2.319	0.001	-	6.44E-04	4.295E-04	2.147E-04
D2 Landscape Deck	D2WSB	3	0.0374	133	0.241	1.201	0.000	-	3.33E-04	2.223E-04	1.112E-04
D2 Landscape Deck	D2WSB	4	0.0374	139	0.240	1.249	0.000	-	3.47E-04	2.313E-04	1.156E-04
D2 Landscape Deck	D2WSB	5	0.0374	143	0.239	1.279	0.000	-	3.55E-04	2.369E-04	1.184E-04
D2 Landscape Deck	D2WSB	6	0.0374	300	0.263	2.947	0.001	-	8.18E-04	5.457E-04	2.728E-04
D2 Landscape Deck	D2WSB	7	0.0374	462	0.255	4.403	0.001	-	1.22E-03	8.153E-04	4.076E-04
D2 Landscape Deck	D2WSB	8	0.0374	799	0.260	7.757	0.002	-	2.15E-03	1.436E-03	7.182E-04
D2 Landscape Deck	D2WSB	9	0.0374	1153	0.257	11.073	0.003	-	3.08E-03	2.051E-03	1.025E-03
D2 Landscape Deck	D2WSB	10	0.0374	943	0.253	8.930	0.002	-	2.48E-03	1.654E-03	8.268E-04
D2 Landscape Deck	D2WSB	11	0.0374	752	0.255	7.177	0.002	-	1.99E-03	1.329E-03	6.646E-04
D2 Landscape Deck	D2WSB	12	0.0374	715	0.253	6.772	0.002	-	1.88E-03	1.254E-03	6.270E-04
D2 Landscape Deck	D2WSB	13	0.0374	677	0.253	6.417	0.002	-	1.78E-03	1.188E-03	5.941E-04
D2 Landscape Deck	D2WSB	14	0.0374	639	0.249	5.947	0.002	-	1.65E-03	1.101E-03	5.507E-04
D2 Landscape Deck	D2WSB	15	0.0374	725	0.250	6.782	0.002	-	1.88E-03	1.256E-03	6.279E-04
D2 Landscape Deck	D2WSB	16	0.0374	680	0.243	6.177	0.002	-	1.72E-03	1.144E-03	5.719E-04
D2 Landscape Deck	D2WSB	17	0.0374	636	0.244	5.815	0.002	-	1.62E-03	1.077E-03	5.384E-04
D2 Landscape Deck	D2WSB	18	0.0374	590	0.237	5.221	0.001	-	1.45E-03	9.669E-04	4.834E-04
D2 Landscape Deck	D2WSB	19	0.0374	816	0.233	7.110	0.002	-	1.98E-03	1.317E-03	6.583E-04
D2 Landscape Deck	D2WSB	20	0.0374	661	0.235	5.795	0.002	-	1.61E-03	1.073E-03	5.366E-04
D2 Landscape Deck	D2WSB	21	0.0374	406	0.239	3.625	0.001	-	1.01E-03	6.712E-04	3.356E-04
D2 Landscape Deck	D2WSB	22	0.0374	428	0.241	3.860	0.001	-	1.07E-03	7.148E-04	3.574E-04
D2 Landscape Deck	D2WSB	23	0.0374	820	0.236	7.239	0.002	-	2.01E-03	1.341E-03	6.703E-04
D2 Landscape Deck	D2WSB	24	0.0374	834	0.236	7.357	0.002	-	2.04E-03	1.362E-03	6.812E-04
CKR Slip Road	S3SB	1	0.103	316	0.396	12.900	0.004	-	3.58E-03	2.389E-03	1.194E-03
CKR Slip Road	S3SB	2	0.103	320	0.387	12.768	0.004	-	3.55E-03	2.364E-03	1.182E-03
CKR Slip Road	S3SB	3	0.103	164	0.380	6.419	0.002	-	1.78E-03	1.189E-03	5.944E-04
CKR Slip Road	S3SB	4	0.103	167	0.374	6.433	0.002	-	1.79E-03	1.191E-03	5.956E-04
CKR Slip Road	S3SB	5	0.103	168	0.361	6.238	0.002	-	1.73E-03	1.155E-03	5.776E-04
CKR Slip Road	S3SB	6	0.103	342	0.358	12.597	0.003	-	3.50E-03	2.333E-03	1.166E-03
CKR Slip Road	S3SB	7	0.103	524	0.358	19.315	0.005	-	5.37E-03	3.577E-03	1.788E-03
CKR Slip Road	S3SB	8	0.103	885	0.349	31.820	0.009	-	8.84E-03	5.893E-03	2.946E-03
CKR Slip Road	S3SB	9	0.103	1256	0.354	45.843	0.013	-	1.27E-02	8.489E-03	4.245E-03
CKR Slip Road	S3SB	10	0.103	1053	0.351	38.041	0.011	-	1.06E-02	7.045E-03	3.522E-03
CKR Slip Road	S3SB	11	0.103	859	0.360	31.859	0.009	-	8.85E-03	5.900E-03	2.950E-03
CKR Slip Road	S3SB	12	0.103	839	0.369	31.898	0.009	-	8.86E-03	5.907E-03	2.954E-03
CKR Slip Road	S3SB	13	0.103	820	0.378	31.955	0.009	-	8.88E-03	5.918E-03	2.959E-03
CKR Slip Road	S3SB	14	0.103	802	0.391	32.281	0.009	-	8.97E-03	5.978E-03	2.989E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	936	0.410	39.485	0.011	-	1.10E-02	7.312E-03	3.656E-03
CKR Slip Road	S3SB	16	0.103	914	0.421	39.598	0.011	-	1.10E-02	7.333E-03	3.666E-03
CKR Slip Road	S3SB	17	0.103	890	0.434	39.781	0.011	-	1.11E-02	7.367E-03	3.683E-03
CKR Slip Road	S3SB	18	0.103	869	0.445	39.854	0.011	-	1.11E-02	7.380E-03	3.690E-03
CKR Slip Road	S3SB	19	0.103	985	0.460	46.708	0.013	-	1.30E-02	8.650E-03	4.325E-03
CKR Slip Road	S3SB	20	0.103	718	0.447	33.040	0.009	-	9.18E-03	6.119E-03	3.059E-03
CKR Slip Road	S3SB	21	0.103	587	0.425	25.718	0.007	-	7.14E-03	4.763E-03	2.381E-03
CKR Slip Road	S3SB	22	0.103	597	0.417	25.650	0.007	-	7.12E-03	4.750E-03	2.375E-03
CKR Slip Road	S3SB	23	0.103	454	0.405	18.931	0.005	-	5.26E-03	3.506E-03	1.753E-03
CKR Slip Road	S3SB	24	0.103	463	0.404	19.276	0.005	-	5.35E-03	3.570E-03	1.785E-03
CKR Landscape Deck	CKRLDSWB	1	0.195	1060	0.351	72.636	0.020	-	2.02E-02	1.345E-02	6.726E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1063	0.353	73.106	0.020	-	2.03E-02	1.354E-02	6.769E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	533	0.355	36.927	0.010	-	1.03E-02	6.838E-03	3.419E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	536	0.356	37.165	0.010	-	1.03E-02	6.882E-03	3.441E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	536	0.359	37.478	0.010	-	1.04E-02	6.940E-03	3.470E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1078	0.360	75.681	0.021	-	2.10E-02	1.402E-02	7.008E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	1625	0.364	115.304	0.032	-	3.20E-02	2.135E-02	1.068E-02
CKR Landscape Deck	CKRLDSWB	8	0.195	2719	0.373	197.762	0.055	-	5.49E-02	3.662E-02	1.831E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	3822	0.386	287.676	0.080	-	7.99E-02	5.327E-02	2.664E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	3258	0.370	235.129	0.065	-	6.53E-02	4.354E-02	2.177E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	2700	0.368	193.787	0.054	-	5.38E-02	3.589E-02	1.794E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	2687	0.367	192.475	0.053	-	5.35E-02	3.564E-02	1.782E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	2670	0.365	189.908	0.053	-	5.28E-02	3.517E-02	1.758E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	2657	0.363	187.963	0.052	-	5.22E-02	3.481E-02	1.740E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	3170	0.360	222.497	0.062	-	6.18E-02	4.120E-02	2.060E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	3154	0.356	219.237	0.061	-	6.09E-02	4.060E-02	2.030E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	3134	0.352	215.075	0.060	-	5.97E-02	3.983E-02	1.991E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	3116	0.349	211.872	0.059	-	5.89E-02	3.924E-02	1.962E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	3644	0.345	245.256	0.068	-	6.81E-02	4.542E-02	2.271E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	2622	0.347	177.530	0.049	-	4.93E-02	3.288E-02	1.644E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2083	0.344	139.544	0.039	-	3.88E-02	2.584E-02	1.292E-02
CKR Landscape Deck	CKRLDSWB	22	0.195	2091	0.345	140.703	0.039	-	3.91E-02	2.606E-02	1.303E-02
CKR Landscape Deck	CKRLDSWB	23	0.195	1655	0.343	110.862	0.031	-	3.08E-02	2.053E-02	1.026E-02
CKR Landscape Deck	CKRLDSWB	24	0.195	1662	0.347	112.487	0.031	-	3.12E-02	2.083E-02	1.042E-02
CKR Landscape Deck	CKRLDNEB	1	0.195	1072	0.330	69.004	0.019	-	1.92E-02	1.278E-02	6.389E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1080	0.329	425.092	0.118	-	1.18E-01	7.872E-02	3.936E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	543	0.328	391.252	0.109	-	1.09E-01	7.245E-02	3.623E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	548	0.325	569.822	0.158	-	1.58E-01	1.055E-01	5.276E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	553	0.328	761.998	0.212	-	2.12E-01	1.411E-01	7.056E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1114	0.326	1884.597	0.523	-	5.23E-01	3.490E-01	1.745E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	1682	0.326	3394.587	0.943	-	9.43E-01	6.286E-01	3.143E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	2823	0.332	6741.054	1.873	-	1.87E+00	1.248E+00	6.242E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	3981	0.341	11122.615	3.090	-	3.09E+00	2.060E+00	1.030E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	3377	0.330	10256.408	2.849	-	2.85E+00	1.899E+00	9.497E-01
CKR Landscape Deck	CKRLDNEB	11	10.195	2784	0.332	9423.378	2.618	-	2.62E+00	1.745E+00	8.725E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	2758	0.335	10334.945	2.871	-	2.87E+00	1.914E+00	9.569E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	2729	0.337	11215.945	3.116	-	3.12E+00	2.077E+00	1.039E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	2700	0.338	12053.033	3.348	-	3.35E+00	2.232E+00	1.116E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	3207	0.340	15479.548	4.300	-	4.30E+00	2.867E+00	1.433E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	3173	0.341	16426.766	4.563	-	4.56E+00	3.042E+00	1.521E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	3139	0.341	17309.716	4.808	-	4.81E+00	3.206E+00	1.603E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3105	0.342	18246.873	5.069	-	5.07E+00	3.379E+00	1.690E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	3671	0.343	22876.341	6.355	-	6.35E+00	4.236E+00	2.118E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	2667	0.342	17491.358	4.859	-	4.86E+00	3.239E+00	1.620E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	2079	0.334	14022.580	3.895	-	3.90E+00	2.597E+00	1.298E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	2096	0.334	14818.694	4.116	-	4.12E+00	2.744E+00	1.372E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	1613	0.330	11822.873	3.284	-	3.28E+00	2.189E+00	1.095E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	1628	0.329	12435.279	3.454	-	3.45E+00	2.303E+00	1.151E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009)
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1072	0.330	707.730	0.197	0.136	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1080	0.329	711.451	0.198	0.136	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	543	0.328	356.494	0.099	0.068	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	548	0.325	356.696	0.099	0.068	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	553	0.328	363.289	0.101	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1114	0.326	725.543	0.202	0.139	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1682	0.326	1095.912	0.304	0.210	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	2823	0.332	1873.816	0.521	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	3981	0.341	2714.488	0.754	0.535	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3377	0.330	2230.866	0.620	0.440	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	2784	0.332	1848.627	0.514	0.360	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	2758	0.335	1846.350	0.513	0.361	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	2729	0.337	1839.433	0.511	0.360	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	2700	0.338	1826.909	0.507	0.357	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3207	0.340	2180.986	0.606	0.426	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3173	0.341	2162.128	0.601	0.421	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3139	0.341	2137.662	0.594	0.416	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3105	0.342	2122.346	0.590	0.419	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	3671	0.343	2514.574	0.698	0.496	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2667	0.342	1822.491	0.506	0.355	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2079	0.334	1388.718	0.386	0.267	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2096	0.334	1398.320	0.388	0.269	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1613	0.330	1065.364	0.296	0.205	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1628	0.329	1072.238	0.298	0.205	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1072	0.330	619.264	0.172	-	0.308	0.277	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	2	1.75	1080	0.329	622.520	0.173	-	0.309	0.278	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	3	1.75	543	0.328	311.932	0.087	-	0.155	0.139	0.015	0.010	0.005
CKR Tunnel	CKRTEEB	4	1.75	548	0.325	312.109	0.087	-	0.155	0.139	0.015	0.010	0.005
CKR Tunnel	CKRTEEB	5	1.75	553	0.328	317.878	0.088	-	0.158	0.142	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	6	1.75	1114	0.326	634.850	0.176	-	0.315	0.284	0.032	0.021	0.011
CKR Tunnel	CKRTEEB	7	1.75	1682	0.326	958.923	0.266	-	0.476	0.429	0.048	0.032	0.016
CKR Tunnel	CKRTEEB	8	1.75	2823	0.332	1639.589	0.455	-	0.822	0.740	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	9	1.75	3981	0.341	2375.177	0.660	-	1.195	1.076	0.120	0.080	0.040
CKR Tunnel	CKRTEEB	10	1.75	3377	0.330	1952.008	0.542	-	0.982	0.884	0.098	0.065	0.033
CKR Tunnel	CKRTEEB	11	1.75	2784	0.332	1617.549	0.449	-	0.809	0.729	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	12	1.75	2758	0.335	1615.556	0.449	-	0.810	0.729	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	13	1.75	2729	0.337	1609.504	0.447	-	0.807	0.726	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	14	1.75	2700	0.338	1598.546	0.444	-	0.801	0.721	0.080	0.053	0.027
CKR Tunnel	CKRTEEB	15	1.75	3207	0.340	1908.363	0.530	-	0.956	0.861	0.096	0.064	0.032
CKR Tunnel	CKRTEEB	16	1.75	3173	0.341	1891.862	0.526	-	0.947	0.852	0.095	0.063	0.032
CKR Tunnel	CKRTEEB	17	1.75	3139	0.341	1870.454	0.520	-	0.936	0.842	0.094	0.062	0.031
CKR Tunnel	CKRTEEB	18	1.75	3105	0.342	1857.053	0.516	-	0.934	0.841	0.093	0.062	0.031
CKR Tunnel	CKRTEEB	19	1.75	3671	0.343	2200.253	0.611	-	1.107	0.996	0.111	0.074	0.037
CKR Tunnel	CKRTEEB	20	1.75	2667	0.342	1594.680	0.443	-	0.798	0.718	0.080	0.053	0.027
CKR Tunnel	CKRTEEB	21	1.75	2079	0.334	1215.128	0.338	-	0.605	0.544	0.060	0.040	0.020
CKR Tunnel	CKRTEEB	22	1.75	2096	0.334	1223.530	0.340	-	0.609	0.548	0.061	0.041	0.020
CKR Tunnel	CKRTEEB	23	1.75	1613	0.330	932.193	0.259	-	0.464	0.417	0.046	0.031	0.015
CKR Tunnel	CKRTEEB	24	1.75	1628	0.329	938.208	0.261	-	0.466	0.419	0.047	0.031	0.016
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.277	-	0.260	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.278	-	0.262	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.139	-	0.131	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.139	-	0.131	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.142	-	0.134	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.284	-	0.267	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.429	-	0.403	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.740	-	0.695	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	1.076	-	1.011	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.884	-	0.831	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.729	-	0.685	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.729	-	0.685	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.726	-	0.682	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.721	-	0.678	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.861	-	0.809	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.852	-	0.801	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.842	-	0.792	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.841	-	0.791	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.996	-	0.937	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.718	-	0.675	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.544	-	0.511	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.548	-	0.515	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.417	-	0.392	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.419	-	0.394	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	610	0.295	221.113	0.061	-	3.07E-02	2.047E-02	1.024E-02
Kai Tak Tunnel	KTTE	2	1.23	605	0.297	220.729	0.061	-	3.07E-02	2.044E-02	1.022E-02
Kai Tak Tunnel	KTTE	3	1.23	299	0.296	108.808	0.030	-	1.51E-02	1.007E-02	5.037E-03
Kai Tak Tunnel	KTTE	4	1.23	297	0.297	108.638	0.030	-	1.51E-02	1.006E-02	5.030E-03
Kai Tak Tunnel	KTTE	5	1.23	292	0.298	106.978	0.030	-	1.49E-02	9.905E-03	4.953E-03
Kai Tak Tunnel	KTTE	6	1.23	575	0.299	211.274	0.059	-	2.93E-02	1.956E-02	9.781E-03
Kai Tak Tunnel	KTTE	7	1.23	855	0.303	318.337	0.088	-	4.42E-02	2.948E-02	1.474E-02
Kai Tak Tunnel	KTTE	8	1.23	1404	0.301	519.876	0.144	-	7.22E-02	4.814E-02	2.407E-02
Kai Tak Tunnel	KTTE	9	1.23	1940	0.314	749.966	0.208	-	1.04E-01	6.944E-02	3.472E-02
Kai Tak Tunnel	KTTE	10	1.23	1692	0.303	630.339	0.175	-	8.75E-02	5.836E-02	2.918E-02
Kai Tak Tunnel	KTTE	11	1.23	1438	0.299	528.482	0.147	-	7.34E-02	4.893E-02	2.447E-02
Kai Tak Tunnel	KTTE	12	1.23	1462	0.298	535.388	0.149	-	7.44E-02	4.957E-02	2.479E-02
Kai Tak Tunnel	KTTE	13	1.23	1488	0.300	548.394	0.152	-	7.62E-02	5.078E-02	2.539E-02
Kai Tak Tunnel	KTTE	14	1.23	1513	0.297	553.637	0.154	-	7.69E-02	5.126E-02	2.563E-02
Kai Tak Tunnel	KTTE	15	1.23	1845	0.308	699.623	0.194	-	9.72E-02	6.478E-02	3.239E-02
Kai Tak Tunnel	KTTE	16	1.23	1874	0.306	704.462	0.196	-	9.78E-02	6.523E-02	3.261E-02
Kai Tak Tunnel	KTTE	17	1.23	1905	0.305	714.098	0.198	-	9.92E-02	6.612E-02	3.306E-02
Kai Tak Tunnel	KTTE	18	1.23	1936	0.304	724.697	0.201	-	1.01E-01	6.710E-02	3.355E-02
Kai Tak Tunnel	KTTE	19	1.23	2292	0.302	850.249	0.236	-	1.18E-01	7.873E-02	3.936E-02
Kai Tak Tunnel	KTTE	20	1.23	1619	0.293	582.721	0.162	-	8.09E-02	5.396E-02	2.698E-02
Kai Tak Tunnel	KTTE	21	1.23	1280	0.290	456.982	0.127	-	6.35E-02	4.231E-02	2.116E-02
Kai Tak Tunnel	KTTE	22	1.23	1267	0.292	454.829	0.126	-	6.32E-02	4.211E-02	2.106E-02
Kai Tak Tunnel	KTTE	23	1.23	941	0.292	337.746	0.094	-	4.69E-02	3.127E-02	1.564E-02
Kai Tak Tunnel	KTTE	24	1.23	929	0.294	335.388	0.093	-	4.66E-02	3.105E-02	1.553E-02
Kai Tak Tunnel	KTTW	1	1.23	654	0.362	290.927	0.081	-	4.04E-02	2.694E-02	1.347E-02
Kai Tak Tunnel	KTTW	2	1.23	666	0.360	294.971	0.082	-	4.10E-02	2.731E-02	1.366E-02
Kai Tak Tunnel	KTTW	3	1.23	341	0.358	150.189	0.042	-	2.09E-02	1.391E-02	6.953E-03
Kai Tak Tunnel	KTTW	4	1.23	347	0.359	153.069	0.043	-	2.13E-02	1.417E-02	7.087E-03
Kai Tak Tunnel	KTTW	5	1.23	354	0.358	155.827	0.043	-	2.16E-02	1.443E-02	7.214E-03
Kai Tak Tunnel	KTTW	6	1.23	726	0.366	326.511	0.091	-	4.53E-02	3.023E-02	1.512E-02
Kai Tak Tunnel	KTTW	7	1.23	1107	0.364	495.260	0.138	-	6.88E-02	4.586E-02	2.293E-02
Kai Tak Tunnel	KTTW	8	1.23	1880	0.364	842.837	0.234	-	1.17E-01	7.804E-02	3.902E-02
Kai Tak Tunnel	KTTW	9	1.23	2681	0.379	1249.502	0.347	-	1.74E-01	1.157E-01	5.785E-02
Kai Tak Tunnel	KTTW	10	1.23	2237	0.369	1014.415	0.282	-	1.41E-01	9.393E-02	4.696E-02
Kai Tak Tunnel	KTTW	11	1.23	1816	0.362	809.133	0.225	-	1.12E-01	7.492E-02	3.746E-02
Kai Tak Tunnel	KTTW	12	1.23	1767	0.363	789.251	0.219	-	1.10E-01	7.308E-02	3.654E-02
Kai Tak Tunnel	KTTW	13	1.23	1717	0.365	769.793	0.214	-	1.07E-01	7.128E-02	3.564E-02
Kai Tak Tunnel	KTTW	14	1.23	1667	0.365	747.403	0.208	-	1.04E-01	6.920E-02	3.460E-02
Kai Tak Tunnel	KTTW	15	1.23	1942	0.379	904.701	0.251	-	1.26E-01	8.377E-02	4.188E-02
Kai Tak Tunnel	KTTW	16	1.23	1886	0.379	878.327	0.244	-	1.22E-01	8.133E-02	4.066E-02
Kai Tak Tunnel	KTTW	17	1.23	1826	0.377	847.470	0.235	-	1.18E-01	7.847E-02	3.923E-02
Kai Tak Tunnel	KTTW	18	1.23	1764	0.376	815.919	0.227	-	1.13E-01	7.555E-02	3.777E-02
Kai Tak Tunnel	KTTW	19	1.23	1990	0.376	919.295	0.255	-	1.28E-01	8.512E-02	4.256E-02
Kai Tak Tunnel	KTTW	20	1.23	1456	0.361	647.340	0.180	-	8.99E-02	5.994E-02	2.997E-02
Kai Tak Tunnel	KTTW	21	1.23	1196	0.362	533.179	0.148	-	7.41E-02	4.937E-02	2.468E-02
Kai Tak Tunnel	KTTW	22	1.23	1220	0.361	541.273	0.150	-	7.52E-02	5.012E-02	2.506E-02
Kai Tak Tunnel	KTTW	23	1.23	938	0.359	413.976	0.115	-	5.75E-02	3.833E-02	1.917E-02
Kai Tak Tunnel	KTTW	24	1.23	959	0.360	424.533	0.118	-	5.90E-02	3.931E-02	1.965E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	7.11E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	7.16E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	3.60E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	3.63E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	3.65E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	7.47E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.13E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	1.89E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	2.78E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	2.28E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	1.86E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	1.84E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	1.83E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	1.81E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	2.23E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	2.20E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	2.17E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.14E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	2.46E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.71E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.38E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.38E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.04E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.06E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	193	0.227	5.466	0.002	-	1.52E-03	1.012E-03	5.061E-04
D2 Landscape Deck	D2ENB	2	0.125	191	0.227	5.426	0.002	-	1.51E-03	1.005E-03	5.024E-04
D2 Landscape Deck	D2ENB	3	0.125	94	0.233	2.737	0.001	-	7.60E-04	5.069E-04	2.535E-04
D2 Landscape Deck	D2ENB	4	0.125	92	0.234	2.690	0.001	-	7.47E-04	4.981E-04	2.491E-04
D2 Landscape Deck	D2ENB	5	0.125	91	0.237	2.694	0.001	-	7.48E-04	4.990E-04	2.495E-04
D2 Landscape Deck	D2ENB	6	0.125	179	0.229	5.115	0.001	-	1.42E-03	9.473E-04	4.737E-04
D2 Landscape Deck	D2ENB	7	0.125	266	0.232	7.715	0.002	-	2.14E-03	1.429E-03	7.143E-04
D2 Landscape Deck	D2ENB	8	0.125	437	0.238	13.010	0.004	-	3.61E-03	2.409E-03	1.205E-03
D2 Landscape Deck	D2ENB	9	0.125	605	0.238	18.030	0.005	-	5.01E-03	3.339E-03	1.669E-03
D2 Landscape Deck	D2ENB	10	0.125	525	0.230	15.072	0.004	-	4.19E-03	2.791E-03	1.396E-03
D2 Landscape Deck	D2ENB	11	0.125	450	0.235	13.202	0.004	-	3.67E-03	2.445E-03	1.222E-03
D2 Landscape Deck	D2ENB	12	0.125	460	0.232	13.354	0.004	-	3.71E-03	2.473E-03	1.236E-03
D2 Landscape Deck	D2ENB	13	0.125	468	0.232	13.562	0.004	-	3.77E-03	2.511E-03	1.256E-03
D2 Landscape Deck	D2ENB	14	0.125	478	0.229	13.696	0.004	-	3.80E-03	2.536E-03	1.268E-03
D2 Landscape Deck	D2ENB	15	0.125	584	0.224	16.384	0.005	-	4.55E-03	3.034E-03	1.517E-03
D2 Landscape Deck	D2ENB	16	0.125	595	0.222	16.523	0.005	-	4.59E-03	3.060E-03	1.530E-03
D2 Landscape Deck	D2ENB	17	0.125	609	0.222	16.909	0.005	-	4.70E-03	3.131E-03	1.566E-03
D2 Landscape Deck	D2ENB	18	0.125	620	0.219	16.951	0.005	-	4.71E-03	3.139E-03	1.570E-03
D2 Landscape Deck	D2ENB	19	0.125	735	0.222	20.451	0.006	-	5.68E-03	3.787E-03	1.894E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	519	0.223	14.451	0.004	-	4.01E-03	2.676E-03	1.338E-03
D2 Landscape Deck	D2ENB	21	0.125	410	0.225	11.548	0.003	-	3.21E-03	2.138E-03	1.069E-03
D2 Landscape Deck	D2ENB	22	0.125	406	0.228	11.569	0.003	-	3.21E-03	2.142E-03	1.071E-03
D2 Landscape Deck	D2ENB	23	0.125	298	0.216	8.059	0.002	-	2.24E-03	1.492E-03	7.462E-04
D2 Landscape Deck	D2ENB	24	0.125	292	0.215	7.873	0.002	-	2.19E-03	1.458E-03	7.289E-04
D2 Landscape Deck	D2MSB	1	0.125	209	0.222	5.809	0.002	-	1.61E-03	1.076E-03	5.378E-04
D2 Landscape Deck	D2MSB	2	0.125	221	0.224	6.177	0.002	-	1.72E-03	1.144E-03	5.720E-04
D2 Landscape Deck	D2MSB	3	0.125	113	0.218	3.084	0.001	-	8.57E-04	5.712E-04	2.856E-04
D2 Landscape Deck	D2MSB	4	0.125	123	0.218	3.359	0.001	-	9.33E-04	6.220E-04	3.110E-04
D2 Landscape Deck	D2MSB	5	0.125	126	0.214	3.370	0.001	-	9.36E-04	6.240E-04	3.120E-04
D2 Landscape Deck	D2MSB	6	0.125	267	0.220	7.336	0.002	-	2.04E-03	1.359E-03	6.793E-04
D2 Landscape Deck	D2MSB	7	0.125	419	0.229	11.975	0.003	-	3.33E-03	2.218E-03	1.109E-03
D2 Landscape Deck	D2MSB	8	0.125	721	0.228	20.588	0.006	-	5.72E-03	3.813E-03	1.906E-03
D2 Landscape Deck	D2MSB	9	0.125	1053	0.229	30.130	0.008	-	8.37E-03	5.580E-03	2.790E-03
D2 Landscape Deck	D2MSB	10	0.125	855	0.225	24.071	0.007	-	6.69E-03	4.458E-03	2.229E-03
D2 Landscape Deck	D2MSB	11	0.125	674	0.229	19.276	0.005	-	5.35E-03	3.570E-03	1.785E-03
D2 Landscape Deck	D2MSB	12	0.125	630	0.225	17.739	0.005	-	4.93E-03	3.285E-03	1.643E-03
D2 Landscape Deck	D2MSB	13	0.125	591	0.224	16.521	0.005	-	4.59E-03	3.060E-03	1.530E-03
D2 Landscape Deck	D2MSB	14	0.125	549	0.223	15.288	0.004	-	4.25E-03	2.831E-03	1.416E-03
D2 Landscape Deck	D2MSB	15	0.125	611	0.220	16.827	0.005	-	4.67E-03	3.116E-03	1.558E-03
D2 Landscape Deck	D2MSB	16	0.125	562	0.218	15.297	0.004	-	4.25E-03	2.833E-03	1.416E-03
D2 Landscape Deck	D2MSB	17	0.125	513	0.211	13.503	0.004	-	3.75E-03	2.501E-03	1.250E-03
D2 Landscape Deck	D2MSB	18	0.125	466	0.207	12.078	0.003	-	3.36E-03	2.237E-03	1.118E-03
D2 Landscape Deck	D2MSB	19	0.125	484	0.202	12.222	0.003	-	3.39E-03	2.263E-03	1.132E-03
D2 Landscape Deck	D2MSB	20	0.125	375	0.204	9.564	0.003	-	2.66E-03	1.771E-03	8.855E-04
D2 Landscape Deck	D2MSB	21	0.125	322	0.203	8.190	0.002	-	2.28E-03	1.517E-03	7.584E-04
D2 Landscape Deck	D2MSB	22	0.125	347	0.214	9.266	0.003	-	2.57E-03	1.716E-03	8.580E-04
D2 Landscape Deck	D2MSB	23	0.125	277	0.206	7.131	0.002	-	1.98E-03	1.321E-03	6.603E-04
D2 Landscape Deck	D2MSB	24	0.125	292	0.206	7.536	0.002	-	2.09E-03	1.396E-03	6.978E-04
D2 Landscape Deck	D2MNB	1	0.0374	205	0.211	1.617	0.000	-	4.49E-04	2.995E-04	1.497E-04
D2 Landscape Deck	D2MNB	2	0.0374	202	0.215	1.623	0.000	-	4.51E-04	3.005E-04	1.502E-04
D2 Landscape Deck	D2MNB	3	0.0374	97	0.217	0.787	0.000	-	2.19E-04	1.458E-04	7.290E-05
D2 Landscape Deck	D2MNB	4	0.0374	93	0.221	0.769	0.000	-	2.14E-04	1.424E-04	7.120E-05
D2 Landscape Deck	D2MNB	5	0.0374	91	0.226	0.770	0.000	-	2.14E-04	1.426E-04	7.128E-05
D2 Landscape Deck	D2MNB	6	0.0374	176	0.223	1.467	0.000	-	4.08E-04	2.717E-04	1.358E-04
D2 Landscape Deck	D2MNB	7	0.0374	260	0.229	2.222	0.001	-	6.17E-04	4.116E-04	2.058E-04
D2 Landscape Deck	D2MNB	8	0.0374	420	0.233	3.654	0.001	-	1.02E-03	6.767E-04	3.383E-04
D2 Landscape Deck	D2MNB	9	0.0374	567	0.235	4.978	0.001	-	1.38E-03	9.219E-04	4.609E-04
D2 Landscape Deck	D2MNB	10	0.0374	510	0.228	4.344	0.001	-	1.21E-03	8.044E-04	4.022E-04
D2 Landscape Deck	D2MNB	11	0.0374	445	0.229	3.814	0.001	-	1.06E-03	7.063E-04	3.532E-04
D2 Landscape Deck	D2MNB	12	0.0374	464	0.227	3.940	0.001	-	1.09E-03	7.296E-04	3.648E-04
D2 Landscape Deck	D2MNB	13	0.0374	480	0.218	3.918	0.001	-	1.09E-03	7.256E-04	3.628E-04
D2 Landscape Deck	D2MNB	14	0.0374	501	0.216	4.056	0.001	-	1.13E-03	7.511E-04	3.756E-04
D2 Landscape Deck	D2MNB	15	0.0374	619	0.209	4.835	0.001	-	1.34E-03	8.954E-04	4.477E-04
D2 Landscape Deck	D2MNB	16	0.0374	644	0.205	4.936	0.001	-	1.37E-03	9.141E-04	4.571E-04
D2 Landscape Deck	D2MNB	17	0.0374	666	0.200	4.982	0.001	-	1.38E-03	9.226E-04	4.613E-04
D2 Landscape Deck	D2MNB	18	0.0374	685	0.197	5.039	0.001	-	1.40E-03	9.332E-04	4.666E-04
D2 Landscape Deck	D2MNB	19	0.0374	828	0.193	5.987	0.002	-	1.66E-03	1.109E-03	5.543E-04
D2 Landscape Deck	D2MNB	20	0.0374	580	0.199	4.307	0.001	-	1.20E-03	7.977E-04	3.988E-04
D2 Landscape Deck	D2MNB	21	0.0374	453	0.196	3.323	0.001	-	9.23E-04	6.155E-04	3.077E-04
D2 Landscape Deck	D2MNB	22	0.0374	442	0.200	3.301	0.001	-	9.17E-04	6.113E-04	3.057E-04
D2 Landscape Deck	D2MNB	23	0.0374	326	0.202	2.466	0.001	-	6.85E-04	4.567E-04	2.284E-04
D2 Landscape Deck	D2MNB	24	0.0374	319	0.204	2.427	0.001	-	6.74E-04	4.495E-04	2.248E-04
D2 Landscape Deck	D2WSB	1	0.0374	207	0.223	1.727	0.000	-	4.80E-04	3.198E-04	1.599E-04
D2 Landscape Deck	D2WSB	2	0.0374	219	0.224	1.833	0.001	-	5.09E-04	3.394E-04	1.697E-04
D2 Landscape Deck	D2WSB	3	0.0374	114	0.221	0.941	0.000	-	2.61E-04	1.743E-04	8.716E-05
D2 Landscape Deck	D2WSB	4	0.0374	118	0.215	0.950	0.000	-	2.64E-04	1.760E-04	8.799E-05
D2 Landscape Deck	D2WSB	5	0.0374	124	0.214	0.994	0.000	-	2.76E-04	1.841E-04	9.204E-05
D2 Landscape Deck	D2WSB	6	0.0374	261	0.221	2.154	0.001	-	5.98E-04	3.990E-04	1.995E-04
D2 Landscape Deck	D2WSB	7	0.0374	412	0.234	3.605	0.001	-	1.00E-03	6.676E-04	3.338E-04
D2 Landscape Deck	D2WSB	8	0.0374	711	0.228	6.071	0.002	-	1.69E-03	1.124E-03	5.621E-04
D2 Landscape Deck	D2WSB	9	0.0374	1034	0.229	8.859	0.002	-	2.46E-03	1.640E-03	8.202E-04
D2 Landscape Deck	D2WSB	10	0.0374	842	0.226	7.133	0.002	-	1.98E-03	1.321E-03	6.604E-04
D2 Landscape Deck	D2WSB	11	0.0374	663	0.228	5.645	0.002	-	1.57E-03	1.045E-03	5.227E-04
D2 Landscape Deck	D2WSB	12	0.0374	622	0.225	5.237	0.001	-	1.45E-03	9.698E-04	4.849E-04
D2 Landscape Deck	D2WSB	13	0.0374	587	0.227	4.976	0.001	-	1.38E-03	9.214E-04	4.607E-04
D2 Landscape Deck	D2WSB	14	0.0374	546	0.224	4.576	0.001	-	1.27E-03	8.473E-04	4.237E-04
D2 Landscape Deck	D2WSB	15	0.0374	611	0.224	5.113	0.001	-	1.42E-03	9.468E-04	4.734E-04
D2 Landscape Deck	D2WSB	16	0.0374	564	0.222	4.683	0.001	-	1.30E-03	8.673E-04	4.337E-04
D2 Landscape Deck	D2WSB	17	0.0374	518	0.217	4.213	0.001	-	1.17E-03	7.802E-04	3.901E-04
D2 Landscape Deck	D2WSB	18	0.0374	472	0.216	3.812	0.001	-	1.06E-03	7.059E-04	3.529E-04
D2 Landscape Deck	D2WSB	19	0.0374	499	0.213	3.985	0.001	-	1.11E-03	7.379E-04	3.690E-04
D2 Landscape Deck	D2WSB	20	0.0374	383	0.213	3.055	0.001	-	8.49E-04	5.658E-04	2.829E-04
D2 Landscape Deck	D2WSB	21	0.0374	328	0.210	2.579	0.001	-	7.16E-04	4.776E-04	2.388E-04
D2 Landscape Deck	D2WSB	22	0.0374	353	0.217	2.866	0.001	-	7.96E-04	5.307E-04	2.654E-04
D2 Landscape Deck	D2WSB	23	0.0374	279	0.220	2.297	0.001	-	6.38E-04	4.254E-04	2.127E-04
D2 Landscape Deck	D2WSB	24	0.0374	296	0.217	2.399	0.001	-	6.66E-04	4.443E-04	2.222E-04
CKR Slip Road	S3SB	1	0.103	323	0.343	11.395	0.003	-	3.17E-03	2.110E-03	1.055E-03
CKR Slip Road	S3SB	2	0.103	328	0.337	11.378	0.003	-	3.16E-03	2.107E-03	1.054E-03
CKR Slip Road	S3SB	3	0.103	166	0.329	5.627	0.002	-	1.56E-03	1.042E-03	5.210E-04
CKR Slip Road	S3SB	4	0.103	171	0.326	5.746	0.002	-	1.60E-03	1.064E-03	5.320E-04
CKR Slip Road	S3SB	5	0.103	175	0.322	5.802	0.002	-	1.61E-03	1.074E-03	5.372E-04
CKR Slip Road	S3SB	6	0.103	348	0.311	11.144	0.003	-	3.10E-03	2.064E-03	1.032E-03
CKR Slip Road	S3SB	7	0.103	536	0.311	17.153	0.005	-	4.76E-03	3.177E-03	1.588E-03
CKR Slip Road	S3SB	8	0.103	905	0.306	28.489	0.008	-	7.91E-03	5.276E-03	2.638E-03
CKR Slip Road	S3SB	9	0.103	1289	0.311	41.224	0.011	-	1.15E-02	7.634E-03	3.817E-03
CKR Slip Road	S3SB	10	0.103	1082	0.310	34.602	0.010	-	9.61E-03	6.408E-03	3.204E-03
CKR Slip Road	S3SB	11	0.103	878	0.314	28.419	0.008	-	7.89E-03	5.263E-03	2.631E-03
CKR Slip Road	S3SB	12	0.103	860	0.323	28.580	0.008	-	7.94E-03	5.293E-03	2.646E-03
CKR Slip Road	S3SB	13	0.103	837	0.330	28.458	0.008	-	7.91E-03	5.270E-03	2.635E-03
CKR Slip Road	S3SB	14	0.103	820	0.340	28.701	0.008	-	7.97E-03	5.315E-03	2.658E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	957	0.358	35.327	0.010	-	9.81E-03	6.542E-03	3.271E-03
CKR Slip Road	S3SB	16	0.103	932	0.366	35.091	0.010	-	9.75E-03	6.498E-03	3.249E-03
CKR Slip Road	S3SB	17	0.103	908	0.376	35.186	0.010	-	9.77E-03	6.516E-03	3.258E-03
CKR Slip Road	S3SB	18	0.103	885	0.385	35.139	0.010	-	9.76E-03	6.507E-03	3.254E-03
CKR Slip Road	S3SB	19	0.103	1001	0.397	40.959	0.011	-	1.14E-02	7.585E-03	3.793E-03
CKR Slip Road	S3SB	20	0.103	731	0.376	28.343	0.008	-	7.87E-03	5.249E-03	2.624E-03
CKR Slip Road	S3SB	21	0.103	597	0.369	22.663	0.006	-	6.30E-03	4.197E-03	2.098E-03
CKR Slip Road	S3SB	22	0.103	608	0.360	22.530	0.006	-	6.26E-03	4.172E-03	2.086E-03
CKR Slip Road	S3SB	23	0.103	465	0.354	16.969	0.005	-	4.71E-03	3.142E-03	1.571E-03
CKR Slip Road	S3SB	24	0.103	475	0.349	17.058	0.005	-	4.74E-03	3.159E-03	1.579E-03
CKR Landscape Deck	CKRLDSWB	1	0.195	1222	0.308	73.500	0.020	-	2.04E-02	1.361E-02	6.806E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1228	0.311	74.423	0.021	-	2.07E-02	1.378E-02	6.891E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	615	0.311	37.305	0.010	-	1.04E-02	6.908E-03	3.454E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	619	0.315	38.050	0.011	-	1.06E-02	7.046E-03	3.523E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	623	0.314	38.191	0.011	-	1.06E-02	7.072E-03	3.536E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1243	0.317	76.894	0.021	-	2.14E-02	1.424E-02	7.120E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	1874	0.319	116.633	0.032	-	3.24E-02	2.160E-02	1.080E-02
CKR Landscape Deck	CKRLDSWB	8	0.195	3137	0.328	200.427	0.056	-	5.57E-02	3.712E-02	1.856E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	4405	0.355	305.209	0.085	-	8.48E-02	5.652E-02	2.826E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	3754	0.344	252.047	0.070	-	7.00E-02	4.668E-02	2.334E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	3118	0.324	196.708	0.055	-	5.46E-02	3.643E-02	1.821E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	3100	0.322	194.447	0.054	-	5.40E-02	3.601E-02	1.800E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	3088	0.321	193.342	0.054	-	5.37E-02	3.580E-02	1.790E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	3069	0.318	190.401	0.053	-	5.29E-02	3.526E-02	1.763E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	3664	0.343	244.796	0.068	-	6.80E-02	4.533E-02	2.267E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	3644	0.340	241.568	0.067	-	6.71E-02	4.473E-02	2.237E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	3628	0.335	237.334	0.066	-	6.59E-02	4.395E-02	2.198E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	3610	0.333	234.339	0.065	-	6.51E-02	4.340E-02	2.170E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	4187	0.331	270.131	0.075	-	7.50E-02	5.002E-02	2.501E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	3001	0.316	184.764	0.051	-	5.13E-02	3.422E-02	1.711E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2413	0.307	144.521	0.040	-	4.01E-02	2.676E-02	1.338E-02
CKR Landscape Deck	CKRLDSWB	22	0.195	2420	0.309	145.980	0.041	-	4.05E-02	2.703E-02	1.352E-02
CKR Landscape Deck	CKRLDSWB	23	0.195	1822	0.304	108.086	0.030	-	3.00E-02	2.002E-02	1.001E-02
CKR Landscape Deck	CKRLDSWB	24	0.195	1830	0.306	109.359	0.030	-	3.04E-02	2.025E-02	1.013E-02
CKR Landscape Deck	CKRLDNEB	1	0.195	1235	0.291	69.975	0.019	-	1.94E-02	1.296E-02	6.479E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1244	0.291	432.303	0.120	-	1.20E-01	8.006E-02	4.003E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	627	0.291	400.131	0.111	-	1.11E-01	7.410E-02	3.705E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	632	0.290	585.853	0.163	-	1.63E-01	1.085E-01	5.425E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	634	0.287	763.714	0.212	-	2.12E-01	1.414E-01	7.071E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1274	0.288	1905.999	0.529	-	5.29E-01	3.530E-01	1.765E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	1931	0.289	3451.541	0.959	-	9.59E-01	6.392E-01	3.196E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	3240	0.293	6824.458	1.896	-	1.90E+00	1.264E+00	6.319E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	4564	0.315	11779.065	3.272	-	3.27E+00	2.181E+00	1.091E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	3878	0.309	11004.153	3.057	-	3.06E+00	2.038E+00	1.019E+00
CKR Landscape Deck	CKRLDNEB	11	10.195	3202	0.293	9557.119	2.655	-	2.65E+00	1.770E+00	8.849E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	3170	0.295	10453.244	2.904	-	2.90E+00	1.936E+00	9.679E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	3139	0.297	11363.025	3.156	-	3.16E+00	2.104E+00	1.052E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	3112	0.298	12243.044	3.401	-	3.40E+00	2.267E+00	1.134E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	3699	0.325	17043.387	4.734	-	4.73E+00	3.156E+00	1.578E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	3664	0.325	18121.895	5.034	-	5.03E+00	3.356E+00	1.678E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	3625	0.325	19051.538	5.292	-	5.29E+00	3.528E+00	1.764E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3590	0.326	20111.282	5.586	-	5.59E+00	3.724E+00	1.862E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	4146	0.328	24705.237	6.863	-	6.86E+00	4.575E+00	2.288E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	2979	0.310	17715.872	4.921	-	4.92E+00	3.281E+00	1.640E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	2405	0.300	14567.445	4.047	-	4.05E+00	2.698E+00	1.349E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	2422	0.299	15358.665	4.266	-	4.27E+00	2.844E+00	1.422E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	1828	0.293	11901.101	3.306	-	3.31E+00	2.204E+00	1.102E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	1843	0.292	12497.069	3.471	-	3.47E+00	2.314E+00	1.157E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1235	0.291	717.695	0.199	0.138	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1244	0.291	723.520	0.201	0.139	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	627	0.291	364.584	0.101	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	632	0.290	366.731	0.102	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	634	0.287	364.107	0.101	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1274	0.288	733.782	0.204	0.140	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1931	0.289	1114.299	0.310	0.214	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	3240	0.293	1897.000	0.527	0.371	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	4564	0.315	2874.696	0.799	0.567	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3878	0.309	2393.508	0.665	0.472	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	3202	0.293	1874.864	0.521	0.365	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	3170	0.295	1867.484	0.519	0.365	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	3139	0.297	1863.555	0.518	0.364	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	3112	0.298	1855.710	0.515	0.363	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3699	0.325	2401.323	0.667	0.469	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3664	0.325	2385.244	0.663	0.465	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3625	0.325	2352.768	0.654	0.458	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3590	0.326	2339.201	0.650	0.461	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	4146	0.328	2715.607	0.754	0.536	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2979	0.310	1845.884	0.513	0.360	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2405	0.300	1442.678	0.401	0.277	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2422	0.299	1449.272	0.403	0.279	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1828	0.293	1072.413	0.298	0.206	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1843	0.292	1077.566	0.299	0.206	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1235	0.291	627.983	0.174	-	0.312	0.281	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	2	1.75	1244	0.291	633.080	0.176	-	0.315	0.283	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	3	1.75	627	0.291	319.011	0.089	-	0.158	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	4	1.75	632	0.290	320.890	0.089	-	0.159	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	5	1.75	634	0.287	318.593	0.088	-	0.158	0.142	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	6	1.75	1274	0.288	642.059	0.178	-	0.319	0.287	0.032	0.021	0.011
CKR Tunnel	CKRTEEB	7	1.75	1931	0.289	975.012	0.271	-	0.484	0.436	0.048	0.032	0.016
CKR Tunnel	CKRTEEB	8	1.75	3240	0.293	1659.875	0.461	-	0.832	0.749	0.083	0.055	0.028
CKR Tunnel	CKRTEEB	9	1.75	4564	0.315	2515.359	0.699	-	1.266	1.139	0.127	0.084	0.042
CKR Tunnel	CKRTEEB	10	1.75	3878	0.309	2094.320	0.582	-	1.054	0.948	0.105	0.070	0.035
CKR Tunnel	CKRTEEB	11	1.75	3202	0.293	1640.506	0.456	-	0.821	0.739	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	12	1.75	3170	0.295	1634.049	0.454	-	0.819	0.737	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	13	1.75	3139	0.297	1630.610	0.453	-	0.817	0.735	0.082	0.054	0.027
CKR Tunnel	CKRTEEB	14	1.75	3112	0.298	1623.746	0.451	-	0.814	0.732	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	15	1.75	3699	0.325	2101.157	0.584	-	1.053	0.948	0.105	0.070	0.035
CKR Tunnel	CKRTEEB	16	1.75	3664	0.325	2087.089	0.580	-	1.044	0.940	0.104	0.070	0.035
CKR Tunnel	CKRTEEB	17	1.75	3625	0.325	2058.672	0.572	-	1.030	0.927	0.103	0.069	0.034
CKR Tunnel	CKRTEEB	18	1.75	3590	0.326	2046.801	0.569	-	1.030	0.927	0.103	0.069	0.034
CKR Tunnel	CKRTEEB	19	1.75	4146	0.328	2376.156	0.660	-	1.196	1.076	0.120	0.080	0.040
CKR Tunnel	CKRTEEB	20	1.75	2979	0.310	1615.149	0.449	-	0.808	0.727	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	21	1.75	2405	0.300	1262.344	0.351	-	0.628	0.565	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	22	1.75	2422	0.299	1268.113	0.352	-	0.631	0.568	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	23	1.75	1828	0.293	938.361	0.261	-	0.467	0.420	0.047	0.031	0.016
CKR Tunnel	CKRTEEB	24	1.75	1843	0.292	942.870	0.262	-	0.468	0.421	0.047	0.031	0.016
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.281	-	0.264	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.283	-	0.266	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.143	-	0.134	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.143	-	0.135	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.142	-	0.134	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.287	-	0.270	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.436	-	0.410	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.749	-	0.704	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	1.139	-	1.071	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.948	-	0.892	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.739	-	0.695	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.737	-	0.693	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.735	-	0.691	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.732	-	0.688	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.948	-	0.891	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.940	-	0.884	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.927	-	0.872	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.927	-	0.871	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	1.076	-	1.011	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.727	-	0.684	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.565	-	0.531	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.568	-	0.534	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.420	-	0.395	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.421	-	0.396	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	610	0.295	221.707	0.062	-	3.08E-02	2.053E-02	1.026E-02
Kai Tak Tunnel	KTTE	2	1.23	605	0.297	221.246	0.061	-	3.07E-02	2.049E-02	1.024E-02
Kai Tak Tunnel	KTTE	3	1.23	299	0.297	109.085	0.030	-	1.52E-02	1.010E-02	5.050E-03
Kai Tak Tunnel	KTTE	4	1.23	297	0.298	108.899	0.030	-	1.51E-02	1.008E-02	5.042E-03
Kai Tak Tunnel	KTTE	5	1.23	292	0.298	107.190	0.030	-	1.49E-02	9.925E-03	4.962E-03
Kai Tak Tunnel	KTTE	6	1.23	575	0.299	211.469	0.059	-	2.94E-02	1.958E-02	9.790E-03
Kai Tak Tunnel	KTTE	7	1.23	855	0.303	318.630	0.089	-	4.43E-02	2.950E-02	1.475E-02
Kai Tak Tunnel	KTTE	8	1.23	1404	0.301	520.145	0.144	-	7.22E-02	4.816E-02	2.408E-02
Kai Tak Tunnel	KTTE	9	1.23	1940	0.314	750.062	0.208	-	1.04E-01	6.945E-02	3.473E-02
Kai Tak Tunnel	KTTE	10	1.23	1692	0.306	636.382	0.177	-	8.84E-02	5.892E-02	2.946E-02
Kai Tak Tunnel	KTTE	11	1.23	1438	0.299	528.995	0.147	-	7.35E-02	4.898E-02	2.449E-02
Kai Tak Tunnel	KTTE	12	1.23	1462	0.298	536.238	0.149	-	7.45E-02	4.965E-02	2.483E-02
Kai Tak Tunnel	KTTE	13	1.23	1488	0.300	549.237	0.153	-	7.63E-02	5.086E-02	2.543E-02
Kai Tak Tunnel	KTTE	14	1.23	1513	0.298	554.819	0.154	-	7.71E-02	5.137E-02	2.569E-02
Kai Tak Tunnel	KTTE	15	1.23	1845	0.308	699.004	0.194	-	9.71E-02	6.472E-02	3.236E-02
Kai Tak Tunnel	KTTE	16	1.23	1874	0.306	706.406	0.196	-	9.81E-02	6.541E-02	3.270E-02
Kai Tak Tunnel	KTTE	17	1.23	1905	0.305	714.698	0.199	-	9.93E-02	6.618E-02	3.309E-02
Kai Tak Tunnel	KTTE	18	1.23	1936	0.305	726.956	0.202	-	1.01E-01	6.731E-02	3.366E-02
Kai Tak Tunnel	KTTE	19	1.23	2292	0.303	853.653	0.237	-	1.19E-01	7.904E-02	3.952E-02
Kai Tak Tunnel	KTTE	20	1.23	1619	0.303	602.856	0.167	-	8.37E-02	5.582E-02	2.791E-02
Kai Tak Tunnel	KTTE	21	1.23	1280	0.291	458.264	0.127	-	6.36E-02	4.243E-02	2.122E-02
Kai Tak Tunnel	KTTE	22	1.23	1267	0.293	455.993	0.127	-	6.33E-02	4.222E-02	2.111E-02
Kai Tak Tunnel	KTTE	23	1.23	941	0.293	338.938	0.094	-	4.71E-02	3.138E-02	1.569E-02
Kai Tak Tunnel	KTTE	24	1.23	929	0.294	336.514	0.093	-	4.67E-02	3.116E-02	1.558E-02
Kai Tak Tunnel	KTTW	1	1.23	654	0.363	291.741	0.081	-	4.05E-02	2.701E-02	1.351E-02
Kai Tak Tunnel	KTTW	2	1.23	666	0.361	295.686	0.082	-	4.11E-02	2.738E-02	1.369E-02
Kai Tak Tunnel	KTTW	3	1.23	341	0.359	150.557	0.042	-	2.09E-02	1.394E-02	6.970E-03
Kai Tak Tunnel	KTTW	4	1.23	347	0.359	153.398	0.043	-	2.13E-02	1.420E-02	7.102E-03
Kai Tak Tunnel	KTTW	5	1.23	354	0.358	156.083	0.043	-	2.17E-02	1.445E-02	7.226E-03
Kai Tak Tunnel	KTTW	6	1.23	726	0.366	326.823	0.091	-	4.54E-02	3.026E-02	1.513E-02
Kai Tak Tunnel	KTTW	7	1.23	1107	0.364	495.719	0.138	-	6.88E-02	4.590E-02	2.295E-02
Kai Tak Tunnel	KTTW	8	1.23	1880	0.365	843.254	0.234	-	1.17E-01	7.808E-02	3.904E-02
Kai Tak Tunnel	KTTW	9	1.23	2681	0.379	1249.598	0.347	-	1.74E-01	1.157E-01	5.785E-02
Kai Tak Tunnel	KTTW	10	1.23	2237	0.373	1025.008	0.285	-	1.42E-01	9.491E-02	4.745E-02
Kai Tak Tunnel	KTTW	11	1.23	1816	0.363	809.887	0.225	-	1.12E-01	7.499E-02	3.749E-02
Kai Tak Tunnel	KTTW	12	1.23	1767	0.364	790.461	0.220	-	1.10E-01	7.319E-02	3.660E-02
Kai Tak Tunnel	KTTW	13	1.23	1717	0.365	770.956	0.214	-	1.07E-01	7.138E-02	3.569E-02
Kai Tak Tunnel	KTTW	14	1.23	1667	0.365	749.031	0.208	-	1.04E-01	6.935E-02	3.468E-02
Kai Tak Tunnel	KTTW	15	1.23	1942	0.378	903.882	0.251	-	1.26E-01	8.369E-02	4.185E-02
Kai Tak Tunnel	KTTW	16	1.23	1886	0.380	880.824	0.245	-	1.22E-01	8.156E-02	4.078E-02
Kai Tak Tunnel	KTTW	17	1.23	1826	0.378	848.185	0.236	-	1.18E-01	7.854E-02	3.927E-02
Kai Tak Tunnel	KTTW	18	1.23	1764	0.377	818.428	0.227	-	1.14E-01	7.578E-02	3.789E-02
Kai Tak Tunnel	KTTW	19	1.23	1990	0.377	922.955	0.256	-	1.28E-01	8.546E-02	4.273E-02
Kai Tak Tunnel	KTTW	20	1.23	1456	0.375	671.013	0.186	-	9.32E-02	6.213E-02	3.107E-02
Kai Tak Tunnel	KTTW	21	1.23	1196	0.363	534.670	0.149	-	7.43E-02	4.951E-02	2.475E-02
Kai Tak Tunnel	KTTW	22	1.23	1220	0.362	542.668	0.151	-	7.54E-02	5.025E-02	2.512E-02
Kai Tak Tunnel	KTTW	23	1.23	938	0.360	415.462	0.115	-	5.77E-02	3.847E-02	1.923E-02
Kai Tak Tunnel	KTTW	24	1.23	959	0.361	425.965	0.118	-	5.92E-02	3.944E-02	1.972E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	7.13E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	7.18E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	3.61E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	3.64E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	3.66E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	7.48E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.13E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	1.89E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	2.78E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	2.31E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	1.86E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	1.84E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	1.83E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	1.81E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	2.23E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	2.20E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	2.17E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.15E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	2.47E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.77E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.38E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.39E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.05E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.06E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	226	0.232	6.551	0.002	-	1.82E-03	1.213E-03	6.066E-04
D2 Landscape Deck	D2ENB	2	0.125	223	0.234	6.510	0.002	-	1.81E-03	1.206E-03	6.028E-04
D2 Landscape Deck	D2ENB	3	0.125	108	0.225	3.033	0.001	-	8.42E-04	5.616E-04	2.808E-04
D2 Landscape Deck	D2ENB	4	0.125	106	0.225	2.983	0.001	-	8.29E-04	5.524E-04	2.762E-04
D2 Landscape Deck	D2ENB	5	0.125	105	0.228	2.988	0.001	-	8.30E-04	5.533E-04	2.766E-04
D2 Landscape Deck	D2ENB	6	0.125	206	0.233	6.001	0.002	-	1.67E-03	1.111E-03	5.557E-04
D2 Landscape Deck	D2ENB	7	0.125	306	0.240	9.167	0.003	-	2.55E-03	1.698E-03	8.488E-04
D2 Landscape Deck	D2ENB	8	0.125	500	0.236	14.751	0.004	-	4.10E-03	2.732E-03	1.366E-03
D2 Landscape Deck	D2ENB	9	0.125	689	0.239	20.550	0.006	-	5.71E-03	3.806E-03	1.903E-03
D2 Landscape Deck	D2ENB	10	0.125	605	0.235	17.741	0.005	-	4.93E-03	3.285E-03	1.643E-03
D2 Landscape Deck	D2ENB	11	0.125	516	0.232	14.978	0.004	-	4.16E-03	2.774E-03	1.387E-03
D2 Landscape Deck	D2ENB	12	0.125	530	0.230	15.254	0.004	-	4.24E-03	2.825E-03	1.412E-03
D2 Landscape Deck	D2ENB	13	0.125	541	0.229	15.459	0.004	-	4.29E-03	2.863E-03	1.431E-03
D2 Landscape Deck	D2ENB	14	0.125	554	0.228	15.765	0.004	-	4.38E-03	2.919E-03	1.460E-03
D2 Landscape Deck	D2ENB	15	0.125	682	0.230	19.574	0.005	-	5.44E-03	3.625E-03	1.812E-03
D2 Landscape Deck	D2ENB	16	0.125	696	0.226	19.704	0.005	-	5.47E-03	3.649E-03	1.824E-03
D2 Landscape Deck	D2ENB	17	0.125	712	0.224	19.905	0.006	-	5.53E-03	3.686E-03	1.843E-03
D2 Landscape Deck	D2ENB	18	0.125	727	0.221	20.105	0.006	-	5.58E-03	3.723E-03	1.862E-03
D2 Landscape Deck	D2ENB	19	0.125	860	0.216	23.237	0.006	-	6.45E-03	4.303E-03	2.152E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	607	0.220	16.658	0.005	-	4.63E-03	3.085E-03	1.542E-03
D2 Landscape Deck	D2ENB	21	0.125	480	0.222	13.321	0.004	-	3.70E-03	2.467E-03	1.233E-03
D2 Landscape Deck	D2ENB	22	0.125	474	0.224	13.292	0.004	-	3.69E-03	2.461E-03	1.231E-03
D2 Landscape Deck	D2ENB	23	0.125	345	0.211	9.112	0.003	-	2.53E-03	1.687E-03	8.437E-04
D2 Landscape Deck	D2ENB	24	0.125	340	0.211	8.979	0.002	-	2.49E-03	1.663E-03	8.314E-04
D2 Landscape Deck	D2MSB	1	0.125	241	0.220	6.642	0.002	-	1.84E-03	1.230E-03	6.150E-04
D2 Landscape Deck	D2MSB	2	0.125	251	0.219	6.882	0.002	-	1.91E-03	1.274E-03	6.372E-04
D2 Landscape Deck	D2MSB	3	0.125	129	0.214	3.453	0.001	-	9.59E-04	6.395E-04	3.198E-04
D2 Landscape Deck	D2MSB	4	0.125	138	0.217	3.744	0.001	-	1.04E-03	6.933E-04	3.467E-04
D2 Landscape Deck	D2MSB	5	0.125	143	0.215	3.849	0.001	-	1.07E-03	7.128E-04	3.564E-04
D2 Landscape Deck	D2MSB	6	0.125	300	0.219	8.714	0.002	-	2.42E-03	1.614E-03	8.069E-04
D2 Landscape Deck	D2MSB	7	0.125	463	0.227	13.133	0.004	-	3.65E-03	2.432E-03	1.216E-03
D2 Landscape Deck	D2MSB	8	0.125	802	0.231	23.167	0.006	-	6.44E-03	4.290E-03	2.145E-03
D2 Landscape Deck	D2MSB	9	0.125	1161	0.229	33.249	0.009	-	9.24E-03	6.157E-03	3.079E-03
D2 Landscape Deck	D2MSB	10	0.125	948	0.226	26.837	0.007	-	7.45E-03	4.970E-03	2.485E-03
D2 Landscape Deck	D2MSB	11	0.125	751	0.226	21.258	0.006	-	5.90E-03	3.937E-03	1.968E-03
D2 Landscape Deck	D2MSB	12	0.125	708	0.225	19.891	0.006	-	5.53E-03	3.683E-03	1.842E-03
D2 Landscape Deck	D2MSB	13	0.125	670	0.225	18.833	0.005	-	5.23E-03	3.488E-03	1.744E-03
D2 Landscape Deck	D2MSB	14	0.125	627	0.220	17.217	0.005	-	4.78E-03	3.188E-03	1.594E-03
D2 Landscape Deck	D2MSB	15	0.125	706	0.221	19.515	0.005	-	5.42E-03	3.614E-03	1.807E-03
D2 Landscape Deck	D2MSB	16	0.125	656	0.214	17.580	0.005	-	4.88E-03	3.255E-03	1.628E-03
D2 Landscape Deck	D2MSB	17	0.125	610	0.214	16.303	0.005	-	4.53E-03	3.019E-03	1.510E-03
D2 Landscape Deck	D2MSB	18	0.125	560	0.206	14.390	0.004	-	4.00E-03	2.665E-03	1.332E-03
D2 Landscape Deck	D2MSB	19	0.125	593	0.197	14.644	0.004	-	4.07E-03	2.712E-03	1.356E-03
D2 Landscape Deck	D2MSB	20	0.125	452	0.199	11.248	0.003	-	3.12E-03	2.083E-03	1.042E-03
D2 Landscape Deck	D2MSB	21	0.125	389	0.210	10.189	0.003	-	2.83E-03	1.887E-03	9.435E-04
D2 Landscape Deck	D2MSB	22	0.125	408	0.208	10.587	0.003	-	2.94E-03	1.961E-03	9.803E-04
D2 Landscape Deck	D2MSB	23	0.125	320	0.199	7.938	0.002	-	2.20E-03	1.470E-03	7.350E-04
D2 Landscape Deck	D2MSB	24	0.125	336	0.200	8.423	0.002	-	2.34E-03	1.560E-03	7.799E-04
D2 Landscape Deck	D2MNB	1	0.0374	244	0.212	1.938	0.001	-	5.38E-04	3.589E-04	1.795E-04
D2 Landscape Deck	D2MNB	2	0.0374	238	0.215	1.911	0.001	-	5.31E-04	3.540E-04	1.770E-04
D2 Landscape Deck	D2MNB	3	0.0374	115	0.215	0.924	0.000	-	2.57E-04	1.712E-04	8.559E-05
D2 Landscape Deck	D2MNB	4	0.0374	112	0.219	0.919	0.000	-	2.55E-04	1.702E-04	8.508E-05
D2 Landscape Deck	D2MNB	5	0.0374	109	0.222	0.906	0.000	-	2.52E-04	1.678E-04	8.391E-05
D2 Landscape Deck	D2MNB	6	0.0374	212	0.226	1.789	0.000	-	4.97E-04	3.313E-04	1.656E-04
D2 Landscape Deck	D2MNB	7	0.0374	312	0.231	2.691	0.001	-	7.48E-04	4.984E-04	2.492E-04
D2 Landscape Deck	D2MNB	8	0.0374	503	0.230	4.327	0.001	-	1.20E-03	8.014E-04	4.007E-04
D2 Landscape Deck	D2MNB	9	0.0374	685	0.237	6.083	0.002	-	1.69E-03	1.126E-03	5.632E-04
D2 Landscape Deck	D2MNB	10	0.0374	610	0.227	5.178	0.001	-	1.44E-03	9.589E-04	4.795E-04
D2 Landscape Deck	D2MNB	11	0.0374	531	0.226	4.486	0.001	-	1.25E-03	8.307E-04	4.153E-04
D2 Landscape Deck	D2MNB	12	0.0374	551	0.224	4.614	0.001	-	1.28E-03	8.544E-04	4.272E-04
D2 Landscape Deck	D2MNB	13	0.0374	572	0.219	4.694	0.001	-	1.30E-03	8.694E-04	4.347E-04
D2 Landscape Deck	D2MNB	14	0.0374	595	0.216	4.816	0.001	-	1.34E-03	8.918E-04	4.459E-04
D2 Landscape Deck	D2MNB	15	0.0374	736	0.212	5.824	0.002	-	1.62E-03	1.078E-03	5.392E-04
D2 Landscape Deck	D2MNB	16	0.0374	761	0.207	5.885	0.002	-	1.63E-03	1.090E-03	5.449E-04
D2 Landscape Deck	D2MNB	17	0.0374	786	0.202	5.948	0.002	-	1.65E-03	1.102E-03	5.508E-04
D2 Landscape Deck	D2MNB	18	0.0374	810	0.198	5.985	0.002	-	1.66E-03	1.108E-03	5.541E-04
D2 Landscape Deck	D2MNB	19	0.0374	974	0.195	7.099	0.002	-	1.97E-03	1.315E-03	6.573E-04
D2 Landscape Deck	D2MNB	20	0.0374	679	0.196	4.971	0.001	-	1.38E-03	9.206E-04	4.603E-04
D2 Landscape Deck	D2MNB	21	0.0374	535	0.199	3.983	0.001	-	1.11E-03	7.376E-04	3.688E-04
D2 Landscape Deck	D2MNB	22	0.0374	522	0.201	3.915	0.001	-	1.09E-03	7.251E-04	3.625E-04
D2 Landscape Deck	D2MNB	23	0.0374	382	0.196	2.790	0.001	-	7.75E-04	5.167E-04	2.583E-04
D2 Landscape Deck	D2MNB	24	0.0374	371	0.197	2.735	0.001	-	7.60E-04	5.065E-04	2.533E-04
D2 Landscape Deck	D2WSB	1	0.0374	248	0.219	2.032	0.001	-	5.64E-04	3.763E-04	1.881E-04
D2 Landscape Deck	D2WSB	2	0.0374	258	0.218	2.104	0.001	-	5.84E-04	3.896E-04	1.948E-04
D2 Landscape Deck	D2WSB	3	0.0374	135	0.217	1.095	0.000	-	3.04E-04	2.027E-04	1.013E-04
D2 Landscape Deck	D2WSB	4	0.0374	140	0.214	1.121	0.000	-	3.11E-04	2.076E-04	1.038E-04
D2 Landscape Deck	D2WSB	5	0.0374	144	0.214	1.152	0.000	-	3.20E-04	2.134E-04	1.067E-04
D2 Landscape Deck	D2WSB	6	0.0374	303	0.231	2.622	0.001	-	7.28E-04	4.856E-04	2.428E-04
D2 Landscape Deck	D2WSB	7	0.0374	469	0.230	4.037	0.001	-	1.12E-03	7.476E-04	3.738E-04
D2 Landscape Deck	D2WSB	8	0.0374	809	0.231	6.977	0.002	-	1.94E-03	1.292E-03	6.460E-04
D2 Landscape Deck	D2WSB	9	0.0374	1168	0.229	9.990	0.003	-	2.78E-03	1.850E-03	9.250E-04
D2 Landscape Deck	D2WSB	10	0.0374	957	0.226	8.089	0.002	-	2.25E-03	1.498E-03	7.490E-04
D2 Landscape Deck	D2WSB	11	0.0374	763	0.228	6.518	0.002	-	1.81E-03	1.207E-03	6.035E-04
D2 Landscape Deck	D2WSB	12	0.0374	724	0.226	6.117	0.002	-	1.70E-03	1.133E-03	5.664E-04
D2 Landscape Deck	D2WSB	13	0.0374	688	0.228	5.856	0.002	-	1.63E-03	1.084E-03	5.422E-04
D2 Landscape Deck	D2WSB	14	0.0374	647	0.222	5.369	0.001	-	1.49E-03	9.943E-04	4.971E-04
D2 Landscape Deck	D2WSB	15	0.0374	736	0.224	6.158	0.002	-	1.71E-03	1.140E-03	5.701E-04
D2 Landscape Deck	D2WSB	16	0.0374	691	0.221	5.710	0.002	-	1.59E-03	1.057E-03	5.287E-04
D2 Landscape Deck	D2WSB	17	0.0374	646	0.217	5.252	0.001	-	1.46E-03	9.727E-04	4.863E-04
D2 Landscape Deck	D2WSB	18	0.0374	600	0.214	4.810	0.001	-	1.34E-03	8.908E-04	4.454E-04
D2 Landscape Deck	D2WSB	19	0.0374	647	0.208	5.039	0.001	-	1.40E-03	9.331E-04	4.665E-04
D2 Landscape Deck	D2WSB	20	0.0374	488	0.210	3.831	0.001	-	1.06E-03	7.095E-04	3.548E-04
D2 Landscape Deck	D2WSB	21	0.0374	413	0.213	3.291	0.001	-	9.14E-04	6.095E-04	3.048E-04
D2 Landscape Deck	D2WSB	22	0.0374	436	0.215	3.501	0.001	-	9.72E-04	6.483E-04	3.241E-04
D2 Landscape Deck	D2WSB	23	0.0374	338	0.211	2.668	0.001	-	7.41E-04	4.940E-04	2.470E-04
D2 Landscape Deck	D2WSB	24	0.0374	356	0.210	2.791	0.001	-	7.75E-04	5.168E-04	2.584E-04
CKR Slip Road	S3SB	1	0.103	323	0.343	11.425	0.003	-	3.17E-03	2.116E-03	1.058E-03
CKR Slip Road	S3SB	2	0.103	328	0.338	11.405	0.003	-	3.17E-03	2.112E-03	1.056E-03
CKR Slip Road	S3SB	3	0.103	166	0.330	5.641	0.002	-	1.57E-03	1.045E-03	5.223E-04
CKR Slip Road	S3SB	4	0.103	171	0.327	5.758	0.002	-	1.60E-03	1.066E-03	5.331E-04
CKR Slip Road	S3SB	5	0.103	175	0.322	5.813	0.002	-	1.61E-03	1.076E-03	5.382E-04
CKR Slip Road	S3SB	6	0.103	348	0.311	11.154	0.003	-	3.10E-03	2.066E-03	1.033E-03
CKR Slip Road	S3SB	7	0.103	536	0.311	17.167	0.005	-	4.77E-03	3.179E-03	1.590E-03
CKR Slip Road	S3SB	8	0.103	905	0.306	28.499	0.008	-	7.92E-03	5.278E-03	2.639E-03
CKR Slip Road	S3SB	9	0.103	1289	0.311	41.224	0.011	-	1.15E-02	7.634E-03	3.817E-03
CKR Slip Road	S3SB	10	0.103	1082	0.312	34.817	0.010	-	9.67E-03	6.448E-03	3.224E-03
CKR Slip Road	S3SB	11	0.103	878	0.315	28.442	0.008	-	7.90E-03	5.267E-03	2.633E-03
CKR Slip Road	S3SB	12	0.103	860	0.323	28.619	0.008	-	7.95E-03	5.300E-03	2.650E-03
CKR Slip Road	S3SB	13	0.103	837	0.331	28.493	0.008	-	7.91E-03	5.277E-03	2.638E-03
CKR Slip Road	S3SB	14	0.103	820	0.340	28.756	0.008	-	7.99E-03	5.325E-03	2.663E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	957	0.358	35.282	0.010	-	9.80E-03	6.534E-03	3.267E-03
CKR Slip Road	S3SB	16	0.103	932	0.367	35.216	0.010	-	9.78E-03	6.521E-03	3.261E-03
CKR Slip Road	S3SB	17	0.103	908	0.376	35.201	0.010	-	9.78E-03	6.519E-03	3.259E-03
CKR Slip Road	S3SB	18	0.103	885	0.387	35.243	0.010	-	9.79E-03	6.527E-03	3.263E-03
CKR Slip Road	S3SB	19	0.103	1001	0.399	41.114	0.011	-	1.14E-02	7.614E-03	3.807E-03
CKR Slip Road	S3SB	20	0.103	731	0.387	29.175	0.008	-	8.10E-03	5.403E-03	2.701E-03
CKR Slip Road	S3SB	21	0.103	597	0.369	22.716	0.006	-	6.31E-03	4.207E-03	2.103E-03
CKR Slip Road	S3SB	22	0.103	608	0.361	22.579	0.006	-	6.27E-03	4.181E-03	2.091E-03
CKR Slip Road	S3SB	23	0.103	465	0.355	17.026	0.005	-	4.73E-03	3.153E-03	1.576E-03
CKR Slip Road	S3SB	24	0.103	475	0.350	17.112	0.005	-	4.75E-03	3.169E-03	1.584E-03
CKR Landscape Deck	CKRLDSWB	1	0.195	1230	0.309	74.010	0.021	-	2.06E-02	1.371E-02	6.853E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1234	0.310	74.665	0.021	-	2.07E-02	1.383E-02	6.913E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	619	0.312	37.655	0.010	-	1.05E-02	6.973E-03	3.487E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	622	0.314	38.056	0.011	-	1.06E-02	7.047E-03	3.524E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	625	0.315	38.406	0.011	-	1.07E-02	7.112E-03	3.556E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1249	0.317	77.118	0.021	-	2.14E-02	1.428E-02	7.141E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	1883	0.319	117.109	0.033	-	3.25E-02	2.169E-02	1.084E-02
CKR Landscape Deck	CKRLDSWB	8	0.195	3148	0.327	200.811	0.056	-	5.58E-02	3.719E-02	1.859E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	4422	0.355	306.171	0.085	-	8.50E-02	5.670E-02	2.835E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	3772	0.344	253.083	0.070	-	7.03E-02	4.687E-02	2.343E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	3131	0.323	197.213	0.055	-	5.48E-02	3.652E-02	1.826E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	3114	0.322	195.316	0.054	-	5.43E-02	3.617E-02	1.808E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	3103	0.321	194.060	0.054	-	5.39E-02	3.594E-02	1.797E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	3085	0.318	191.289	0.053	-	5.31E-02	3.542E-02	1.771E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	3684	0.342	246.003	0.068	-	6.83E-02	4.556E-02	2.278E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	3666	0.340	242.749	0.067	-	6.74E-02	4.495E-02	2.248E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	3649	0.335	238.391	0.066	-	6.62E-02	4.415E-02	2.207E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	3632	0.333	235.550	0.065	-	6.54E-02	4.362E-02	2.181E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	4212	0.330	271.116	0.075	-	7.53E-02	5.021E-02	2.510E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	3020	0.306	180.220	0.050	-	5.01E-02	3.337E-02	1.669E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2427	0.307	145.341	0.040	-	4.04E-02	2.692E-02	1.346E-02
CKR Landscape Deck	CKRLDSWB	22	0.195	2435	0.309	146.776	0.041	-	4.08E-02	2.718E-02	1.359E-02
CKR Landscape Deck	CKRLDSWB	23	0.195	1830	0.304	108.400	0.030	-	3.01E-02	2.007E-02	1.004E-02
CKR Landscape Deck	CKRLDSWB	24	0.195	1837	0.306	109.660	0.030	-	3.05E-02	2.031E-02	1.015E-02
CKR Landscape Deck	CKRLDNEB	1	0.195	1243	0.291	70.520	0.020	-	1.96E-02	1.306E-02	6.530E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1250	0.290	433.445	0.120	-	1.20E-01	8.027E-02	4.013E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	630	0.291	402.034	0.112	-	1.12E-01	7.445E-02	3.723E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	634	0.289	585.159	0.163	-	1.63E-01	1.084E-01	5.418E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	637	0.288	768.352	0.213	-	2.13E-01	1.423E-01	7.114E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1283	0.287	1915.654	0.532	-	5.32E-01	3.548E-01	1.774E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	1939	0.288	3460.180	0.961	-	9.61E-01	6.408E-01	3.204E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	3252	0.292	6842.493	1.901	-	1.90E+00	1.267E+00	6.336E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	4581	0.315	11820.075	3.283	-	3.28E+00	2.189E+00	1.094E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	3891	0.308	11021.200	3.061	-	3.06E+00	2.041E+00	1.020E+00
CKR Landscape Deck	CKRLDNEB	11	10.195	3215	0.293	9589.931	2.664	-	2.66E+00	1.776E+00	8.880E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	3186	0.294	10503.869	2.918	-	2.92E+00	1.945E+00	9.726E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	3157	0.297	11422.813	3.173	-	3.17E+00	2.115E+00	1.058E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	3129	0.298	12305.890	3.418	-	3.42E+00	2.279E+00	1.139E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	3722	0.325	17145.990	4.763	-	4.76E+00	3.175E+00	1.588E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	3687	0.325	18207.317	5.058	-	5.06E+00	3.372E+00	1.686E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	3652	0.325	19195.425	5.332	-	5.33E+00	3.555E+00	1.777E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3619	0.326	20269.400	5.630	-	5.63E+00	3.754E+00	1.877E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	4178	0.327	24861.959	6.906	-	6.91E+00	4.604E+00	2.302E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	3000	0.300	17299.786	4.805	-	4.81E+00	3.204E+00	1.602E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	2423	0.300	14665.068	4.074	-	4.07E+00	2.716E+00	1.358E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	2439	0.299	15445.488	4.290	-	4.29E+00	2.860E+00	1.430E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	1837	0.293	11930.531	3.314	-	3.31E+00	2.209E+00	1.105E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	1853	0.292	12548.683	3.486	-	3.49E+00	2.324E+00	1.162E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1243	0.291	723.284	0.201	0.139	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1250	0.290	725.430	0.202	0.139	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	630	0.291	366.318	0.102	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	634	0.289	366.297	0.102	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	637	0.288	366.318	0.102	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1283	0.287	737.499	0.205	0.141	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1939	0.288	1117.088	0.310	0.214	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	3252	0.292	1902.013	0.528	0.372	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	4581	0.315	2884.704	0.801	0.569	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3891	0.308	2397.216	0.666	0.473	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	3215	0.293	1881.301	0.523	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	3186	0.294	1876.529	0.521	0.367	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	3157	0.297	1873.360	0.520	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	3129	0.298	1865.235	0.518	0.365	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3722	0.325	2415.779	0.671	0.472	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3687	0.325	2396.488	0.666	0.467	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3652	0.325	2370.537	0.658	0.462	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3619	0.326	2357.592	0.655	0.465	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	4178	0.327	2732.834	0.759	0.539	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	3000	0.300	1802.530	0.501	0.351	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2423	0.300	1452.346	0.403	0.279	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2439	0.299	1457.465	0.405	0.280	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1837	0.293	1075.065	0.299	0.207	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1853	0.292	1082.016	0.301	0.207	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1243	0.291	632.873	0.176	-	0.314	0.283	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	2	1.75	1250	0.290	634.752	0.176	-	0.315	0.284	0.032	0.021	0.011
CKR Tunnel	CKRTEEB	3	1.75	630	0.291	320.528	0.089	-	0.159	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	4	1.75	634	0.289	320.510	0.089	-	0.159	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	5	1.75	637	0.288	320.528	0.089	-	0.159	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	6	1.75	1283	0.287	645.312	0.179	-	0.320	0.288	0.032	0.021	0.011
CKR Tunnel	CKRTEEB	7	1.75	1939	0.288	977.452	0.272	-	0.486	0.437	0.049	0.032	0.016
CKR Tunnel	CKRTEEB	8	1.75	3252	0.292	1664.262	0.462	-	0.834	0.751	0.083	0.056	0.028
CKR Tunnel	CKRTEEB	9	1.75	4581	0.315	2524.116	0.701	-	1.270	1.143	0.127	0.085	0.042
CKR Tunnel	CKRTEEB	10	1.75	3891	0.308	2097.564	0.583	-	1.055	0.950	0.106	0.070	0.035
CKR Tunnel	CKRTEEB	11	1.75	3215	0.293	1646.138	0.457	-	0.824	0.741	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	12	1.75	3186	0.294	1641.963	0.456	-	0.823	0.741	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	13	1.75	3157	0.297	1639.190	0.455	-	0.821	0.739	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	14	1.75	3129	0.298	1632.081	0.453	-	0.818	0.736	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	15	1.75	3722	0.325	2113.806	0.587	-	1.059	0.953	0.106	0.071	0.035
CKR Tunnel	CKRTEEB	16	1.75	3687	0.325	2096.927	0.582	-	1.049	0.944	0.105	0.070	0.035
CKR Tunnel	CKRTEEB	17	1.75	3652	0.325	2074.220	0.576	-	1.038	0.934	0.104	0.069	0.035
CKR Tunnel	CKRTEEB	18	1.75	3619	0.326	2062.893	0.573	-	1.038	0.934	0.104	0.069	0.035
CKR Tunnel	CKRTEEB	19	1.75	4178	0.327	2391.230	0.664	-	1.203	1.083	0.120	0.080	0.040
CKR Tunnel	CKRTEEB	20	1.75	3000	0.300	1577.214	0.438	-	0.789	0.710	0.079	0.053	0.026
CKR Tunnel	CKRTEEB	21	1.75	2423	0.300	1270.803	0.353	-	0.632	0.569	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	22	1.75	2439	0.299	1275.282	0.354	-	0.634	0.571	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	23	1.75	1837	0.293	940.682	0.261	-	0.468	0.421	0.047	0.031	0.016
CKR Tunnel	CKRTEEB	24	1.75	1853	0.292	946.764	0.263	-	0.470	0.423	0.047	0.031	0.016
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.283	-	0.266	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.284	-	0.267	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.143	-	0.135	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.143	-	0.135	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.143	-	0.135	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.288	-	0.271	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.437	-	0.411	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.751	-	0.706	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	1.143	-	1.074	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.950	-	0.893	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.741	-	0.697	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.741	-	0.696	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.739	-	0.695	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.736	-	0.692	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.953	-	0.896	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.944	-	0.888	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.934	-	0.878	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.934	-	0.878	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	1.083	-	1.018	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.710	-	0.668	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.569	-	0.535	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.571	-	0.537	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.421	-	0.396	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.423	-	0.398	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	610	0.295	221.707	0.062	-	3.08E-02	2.053E-02	1.026E-02
Kai Tak Tunnel	KTTE	2	1.23	605	0.297	221.246	0.061	-	3.07E-02	2.049E-02	1.024E-02
Kai Tak Tunnel	KTTE	3	1.23	299	0.297	109.085	0.030	-	1.52E-02	1.010E-02	5.050E-03
Kai Tak Tunnel	KTTE	4	1.23	297	0.298	108.899	0.030	-	1.51E-02	1.008E-02	5.042E-03
Kai Tak Tunnel	KTTE	5	1.23	292	0.298	107.190	0.030	-	1.49E-02	9.925E-03	4.962E-03
Kai Tak Tunnel	KTTE	6	1.23	575	0.299	211.469	0.059	-	2.94E-02	1.958E-02	9.790E-03
Kai Tak Tunnel	KTTE	7	1.23	855	0.303	318.630	0.089	-	4.43E-02	2.950E-02	1.475E-02
Kai Tak Tunnel	KTTE	8	1.23	1404	0.301	520.145	0.144	-	7.22E-02	4.816E-02	2.408E-02
Kai Tak Tunnel	KTTE	9	1.23	1940	0.314	750.062	0.208	-	1.04E-01	6.945E-02	3.473E-02
Kai Tak Tunnel	KTTE	10	1.23	1692	0.306	636.382	0.177	-	8.84E-02	5.892E-02	2.946E-02
Kai Tak Tunnel	KTTE	11	1.23	1438	0.299	528.995	0.147	-	7.35E-02	4.898E-02	2.449E-02
Kai Tak Tunnel	KTTE	12	1.23	1462	0.298	536.238	0.149	-	7.45E-02	4.965E-02	2.483E-02
Kai Tak Tunnel	KTTE	13	1.23	1488	0.300	549.237	0.153	-	7.63E-02	5.086E-02	2.543E-02
Kai Tak Tunnel	KTTE	14	1.23	1513	0.298	554.819	0.154	-	7.71E-02	5.137E-02	2.569E-02
Kai Tak Tunnel	KTTE	15	1.23	1845	0.308	699.004	0.194	-	9.71E-02	6.472E-02	3.236E-02
Kai Tak Tunnel	KTTE	16	1.23	1874	0.306	706.406	0.196	-	9.81E-02	6.541E-02	3.270E-02
Kai Tak Tunnel	KTTE	17	1.23	1905	0.305	714.698	0.199	-	9.93E-02	6.618E-02	3.309E-02
Kai Tak Tunnel	KTTE	18	1.23	1936	0.305	726.956	0.202	-	1.01E-01	6.731E-02	3.366E-02
Kai Tak Tunnel	KTTE	19	1.23	2292	0.303	853.992	0.237	-	1.19E-01	7.907E-02	3.954E-02
Kai Tak Tunnel	KTTE	20	1.23	1619	0.303	603.247	0.168	-	8.38E-02	5.586E-02	2.793E-02
Kai Tak Tunnel	KTTE	21	1.23	1280	0.291	458.264	0.127	-	6.36E-02	4.243E-02	2.122E-02
Kai Tak Tunnel	KTTE	22	1.23	1267	0.293	455.993	0.127	-	6.33E-02	4.222E-02	2.111E-02
Kai Tak Tunnel	KTTE	23	1.23	941	0.293	339.400	0.094	-	4.71E-02	3.143E-02	1.571E-02
Kai Tak Tunnel	KTTE	24	1.23	929	0.295	336.993	0.094	-	4.68E-02	3.120E-02	1.560E-02
Kai Tak Tunnel	KTTW	1	1.23	654	0.363	291.741	0.081	-	4.05E-02	2.701E-02	1.351E-02
Kai Tak Tunnel	KTTW	2	1.23	666	0.361	295.686	0.082	-	4.11E-02	2.738E-02	1.369E-02
Kai Tak Tunnel	KTTW	3	1.23	341	0.359	150.557	0.042	-	2.09E-02	1.394E-02	6.970E-03
Kai Tak Tunnel	KTTW	4	1.23	347	0.359	153.398	0.043	-	2.13E-02	1.420E-02	7.102E-03
Kai Tak Tunnel	KTTW	5	1.23	354	0.358	156.083	0.043	-	2.17E-02	1.445E-02	7.226E-03
Kai Tak Tunnel	KTTW	6	1.23	726	0.366	326.823	0.091	-	4.54E-02	3.026E-02	1.513E-02
Kai Tak Tunnel	KTTW	7	1.23	1107	0.364	495.719	0.138	-	6.88E-02	4.590E-02	2.295E-02
Kai Tak Tunnel	KTTW	8	1.23	1880	0.365	843.254	0.234	-	1.17E-01	7.808E-02	3.904E-02
Kai Tak Tunnel	KTTW	9	1.23	2681	0.379	1249.598	0.347	-	1.74E-01	1.157E-01	5.785E-02
Kai Tak Tunnel	KTTW	10	1.23	2237	0.373	1025.008	0.285	-	1.42E-01	9.491E-02	4.745E-02
Kai Tak Tunnel	KTTW	11	1.23	1816	0.363	809.887	0.225	-	1.12E-01	7.499E-02	3.749E-02
Kai Tak Tunnel	KTTW	12	1.23	1767	0.364	790.461	0.220	-	1.10E-01	7.319E-02	3.660E-02
Kai Tak Tunnel	KTTW	13	1.23	1717	0.365	770.956	0.214	-	1.07E-01	7.138E-02	3.569E-02
Kai Tak Tunnel	KTTW	14	1.23	1667	0.365	749.031	0.208	-	1.04E-01	6.935E-02	3.468E-02
Kai Tak Tunnel	KTTW	15	1.23	1942	0.378	903.882	0.251	-	1.26E-01	8.369E-02	4.185E-02
Kai Tak Tunnel	KTTW	16	1.23	1886	0.380	880.824	0.245	-	1.22E-01	8.156E-02	4.078E-02
Kai Tak Tunnel	KTTW	17	1.23	1826	0.378	848.185	0.236	-	1.18E-01	7.854E-02	3.927E-02
Kai Tak Tunnel	KTTW	18	1.23	1764	0.377	818.428	0.227	-	1.14E-01	7.578E-02	3.789E-02
Kai Tak Tunnel	KTTW	19	1.23	1990	0.377	923.296	0.256	-	1.28E-01	8.549E-02	4.275E-02
Kai Tak Tunnel	KTTW	20	1.23	1456	0.375	671.423	0.187	-	9.33E-02	6.217E-02	3.108E-02
Kai Tak Tunnel	KTTW	21	1.23	1196	0.363	534.670	0.149	-	7.43E-02	4.951E-02	2.475E-02
Kai Tak Tunnel	KTTW	22	1.23	1220	0.362	542.668	0.151	-	7.54E-02	5.025E-02	2.512E-02
Kai Tak Tunnel	KTTW	23	1.23	938	0.361	416.022	0.116	-	5.78E-02	3.852E-02	1.926E-02
Kai Tak Tunnel	KTTW	24	1.23	959	0.362	426.564	0.118	-	5.92E-02	3.950E-02	1.975E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	7.13E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	7.18E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	3.61E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	3.64E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	3.66E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	7.48E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	1.13E-01	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	1.89E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	2.78E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	2.31E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	1.86E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	1.84E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	1.83E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	1.81E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	2.23E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	2.20E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	2.17E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	2.15E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	2.47E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.77E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	1.38E-01	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	1.39E-01	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	1.05E-01	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	1.06E-01	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	226	0.232	6.551	0.002	-	1.82E-03	1.213E-03	6.066E-04
D2 Landscape Deck	D2ENB	2	0.125	223	0.234	6.510	0.002	-	1.81E-03	1.206E-03	6.028E-04
D2 Landscape Deck	D2ENB	3	0.125	108	0.225	3.033	0.001	-	8.42E-04	5.616E-04	2.808E-04
D2 Landscape Deck	D2ENB	4	0.125	106	0.225	2.983	0.001	-	8.29E-04	5.524E-04	2.762E-04
D2 Landscape Deck	D2ENB	5	0.125	105	0.228	2.988	0.001	-	8.30E-04	5.533E-04	2.766E-04
D2 Landscape Deck	D2ENB	6	0.125	206	0.233	6.001	0.002	-	1.67E-03	1.111E-03	5.557E-04
D2 Landscape Deck	D2ENB	7	0.125	306	0.240	9.167	0.003	-	2.55E-03	1.698E-03	8.488E-04
D2 Landscape Deck	D2ENB	8	0.125	500	0.236	14.751	0.004	-	4.10E-03	2.732E-03	1.366E-03
D2 Landscape Deck	D2ENB	9	0.125	689	0.239	20.550	0.006	-	5.71E-03	3.806E-03	1.903E-03
D2 Landscape Deck	D2ENB	10	0.125	605	0.235	17.741	0.005	-	4.93E-03	3.285E-03	1.643E-03
D2 Landscape Deck	D2ENB	11	0.125	516	0.232	14.978	0.004	-	4.16E-03	2.774E-03	1.387E-03
D2 Landscape Deck	D2ENB	12	0.125	530	0.211	13.984	0.004	-	3.88E-03	2.590E-03	1.295E-03
D2 Landscape Deck	D2ENB	13	0.125	541	0.229	15.459	0.004	-	4.29E-03	2.863E-03	1.431E-03
D2 Landscape Deck	D2ENB	14	0.125	554	0.228	15.765	0.004	-	4.38E-03	2.919E-03	1.460E-03
D2 Landscape Deck	D2ENB	15	0.125	682	0.230	19.574	0.005	-	5.44E-03	3.625E-03	1.812E-03
D2 Landscape Deck	D2ENB	16	0.125	696	0.226	19.704	0.005	-	5.47E-03	3.649E-03	1.824E-03
D2 Landscape Deck	D2ENB	17	0.125	712	0.224	19.905	0.006	-	5.53E-03	3.686E-03	1.843E-03
D2 Landscape Deck	D2ENB	18	0.125	727	0.221	20.105	0.006	-	5.58E-03	3.723E-03	1.862E-03
D2 Landscape Deck	D2ENB	19	0.125	1166	0.218	31.738	0.009	-	8.82E-03	5.877E-03	2.939E-03
D2 Landscape Deck	D2ENB	20	0.125	913	0.220	25.147	0.007	-	6.99E-03	4.657E-03	2.328E-03
D2 Landscape Deck	D2ENB	21	0.125	480	0.222	13.321	0.004	-	3.70E-03	2.467E-03	1.233E-03
D2 Landscape Deck	D2ENB	22	0.125	474	0.224	13.292	0.004	-	3.69E-03	2.461E-03	1.231E-03
D2 Landscape Deck	D2ENB	23	0.125	539	0.214	14.436	0.004	-	4.01E-03	2.673E-03	1.337E-03
D2 Landscape Deck	D2ENB	24	0.125	534	0.214	14.310	0.004	-	3.97E-03	2.650E-03	1.325E-03
D2 Landscape Deck	D2MSB	1	0.125	241	0.220	6.642	0.002	-	1.84E-03	1.230E-03	6.150E-04
D2 Landscape Deck	D2MSB	2	0.125	251	0.219	6.882	0.002	-	1.91E-03	1.274E-03	6.372E-04
D2 Landscape Deck	D2MSB	3	0.125	129	0.214	3.453	0.001	-	9.59E-04	6.395E-04	3.198E-04
D2 Landscape Deck	D2MSB	4	0.125	138	0.217	3.744	0.001	-	1.04E-03	6.933E-04	3.467E-04
D2 Landscape Deck	D2MSB	5	0.125	143	0.215	3.849	0.001	-	1.07E-03	7.128E-04	3.564E-04
D2 Landscape Deck	D2MSB	6	0.125	300	0.232	8.714	0.002	-	2.42E-03	1.614E-03	8.069E-04
D2 Landscape Deck	D2MSB	7	0.125	463	0.227	13.133	0.004	-	3.65E-03	2.432E-03	1.216E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2MSB	8	0.125	802	0.231	23.167	0.006	-	6.44E-03	4.290E-03	2.145E-03
D2 Landscape Deck	D2MSB	9	0.125	1161	0.229	33.249	0.009	-	9.24E-03	6.157E-03	3.079E-03
D2 Landscape Deck	D2MSB	10	0.125	948	0.226	26.837	0.007	-	7.45E-03	4.970E-03	2.485E-03
D2 Landscape Deck	D2MSB	11	0.125	751	0.226	21.258	0.006	-	5.90E-03	3.937E-03	1.968E-03
D2 Landscape Deck	D2MSB	12	0.125	708	0.208	18.409	0.005	-	5.11E-03	3.409E-03	1.705E-03
D2 Landscape Deck	D2MSB	13	0.125	670	0.225	18.833	0.005	-	5.23E-03	3.488E-03	1.744E-03
D2 Landscape Deck	D2MSB	14	0.125	627	0.220	17.217	0.005	-	4.78E-03	3.188E-03	1.594E-03
D2 Landscape Deck	D2MSB	15	0.125	706	0.221	19.515	0.005	-	5.42E-03	3.614E-03	1.807E-03
D2 Landscape Deck	D2MSB	16	0.125	656	0.214	17.580	0.005	-	4.88E-03	3.255E-03	1.628E-03
D2 Landscape Deck	D2MSB	17	0.125	610	0.214	16.303	0.005	-	4.53E-03	3.019E-03	1.510E-03
D2 Landscape Deck	D2MSB	18	0.125	560	0.206	14.390	0.004	-	4.00E-03	2.665E-03	1.332E-03
D2 Landscape Deck	D2MSB	19	0.125	758	0.199	18.819	0.005	-	5.23E-03	3.485E-03	1.743E-03
D2 Landscape Deck	D2MSB	20	0.125	617	0.200	15.421	0.004	-	4.28E-03	2.856E-03	1.428E-03
D2 Landscape Deck	D2MSB	21	0.125	389	0.210	10.189	0.003	-	2.83E-03	1.887E-03	9.435E-04
D2 Landscape Deck	D2MSB	22	0.125	408	0.208	10.587	0.003	-	2.94E-03	1.961E-03	9.803E-04
D2 Landscape Deck	D2MSB	23	0.125	629	0.200	15.743	0.004	-	4.37E-03	2.915E-03	1.458E-03
D2 Landscape Deck	D2MSB	24	0.125	645	0.201	16.240	0.005	-	4.51E-03	3.007E-03	1.504E-03
D2 Landscape Deck	D2MNB	1	0.0374	244	0.212	1.938	0.001	-	5.38E-04	3.589E-04	1.795E-04
D2 Landscape Deck	D2MNB	2	0.0374	238	0.215	1.911	0.001	-	5.31E-04	3.540E-04	1.770E-04
D2 Landscape Deck	D2MNB	3	0.0374	115	0.215	0.924	0.000	-	2.57E-04	1.712E-04	8.559E-05
D2 Landscape Deck	D2MNB	4	0.0374	112	0.219	0.919	0.000	-	2.55E-04	1.702E-04	8.508E-05
D2 Landscape Deck	D2MNB	5	0.0374	109	0.222	0.906	0.000	-	2.52E-04	1.678E-04	8.391E-05
D2 Landscape Deck	D2MNB	6	0.0374	212	0.226	1.789	0.000	-	4.97E-04	3.313E-04	1.656E-04
D2 Landscape Deck	D2MNB	7	0.0374	312	0.231	2.691	0.001	-	7.48E-04	4.984E-04	2.492E-04
D2 Landscape Deck	D2MNB	8	0.0374	503	0.230	4.327	0.001	-	1.20E-03	8.014E-04	4.007E-04
D2 Landscape Deck	D2MNB	9	0.0374	685	0.237	6.083	0.002	-	1.69E-03	1.126E-03	5.632E-04
D2 Landscape Deck	D2MNB	10	0.0374	610	0.227	5.178	0.001	-	1.44E-03	9.589E-04	4.795E-04
D2 Landscape Deck	D2MNB	11	0.0374	531	0.226	4.486	0.001	-	1.25E-03	8.307E-04	4.153E-04
D2 Landscape Deck	D2MNB	12	0.0374	551	0.209	4.297	0.001	-	1.19E-03	7.958E-04	3.979E-04
D2 Landscape Deck	D2MNB	13	0.0374	572	0.219	4.694	0.001	-	1.30E-03	8.694E-04	4.347E-04
D2 Landscape Deck	D2MNB	14	0.0374	595	0.216	4.816	0.001	-	1.34E-03	8.918E-04	4.459E-04
D2 Landscape Deck	D2MNB	15	0.0374	736	0.212	5.824	0.002	-	1.62E-03	1.078E-03	5.392E-04
D2 Landscape Deck	D2MNB	16	0.0374	761	0.207	5.885	0.002	-	1.63E-03	1.090E-03	5.449E-04
D2 Landscape Deck	D2MNB	17	0.0374	786	0.202	5.948	0.002	-	1.65E-03	1.102E-03	5.508E-04
D2 Landscape Deck	D2MNB	18	0.0374	810	0.198	5.985	0.002	-	1.66E-03	1.108E-03	5.541E-04
D2 Landscape Deck	D2MNB	19	0.0374	1370	0.195	9.991	0.003	-	2.78E-03	1.850E-03	9.251E-04
D2 Landscape Deck	D2MNB	20	0.0374	1075	0.195	7.861	0.002	-	2.18E-03	1.456E-03	7.278E-04
D2 Landscape Deck	D2MNB	21	0.0374	535	0.199	3.983	0.001	-	1.11E-03	7.376E-04	3.688E-04
D2 Landscape Deck	D2MNB	22	0.0374	522	0.201	3.915	0.001	-	1.09E-03	7.251E-04	3.625E-04
D2 Landscape Deck	D2MNB	23	0.0374	528	0.194	3.819	0.001	-	1.06E-03	7.073E-04	3.536E-04
D2 Landscape Deck	D2MNB	24	0.0374	517	0.195	3.766	0.001	-	1.05E-03	6.974E-04	3.487E-04
D2 Landscape Deck	D2WSB	1	0.0374	248	0.219	2.032	0.001	-	5.64E-04	3.763E-04	1.881E-04
D2 Landscape Deck	D2WSB	2	0.0374	258	0.218	2.104	0.001	-	5.84E-04	3.896E-04	1.948E-04
D2 Landscape Deck	D2WSB	3	0.0374	135	0.217	1.095	0.000	-	3.04E-04	2.027E-04	1.013E-04
D2 Landscape Deck	D2WSB	4	0.0374	140	0.214	1.121	0.000	-	3.11E-04	2.076E-04	1.038E-04
D2 Landscape Deck	D2WSB	5	0.0374	144	0.214	1.152	0.000	-	3.20E-04	2.134E-04	1.067E-04
D2 Landscape Deck	D2WSB	6	0.0374	303	0.231	2.622	0.001	-	7.28E-04	4.856E-04	2.428E-04
D2 Landscape Deck	D2WSB	7	0.0374	469	0.230	4.037	0.001	-	1.12E-03	7.476E-04	3.738E-04
D2 Landscape Deck	D2WSB	8	0.0374	809	0.231	6.977	0.002	-	1.94E-03	1.292E-03	6.460E-04
D2 Landscape Deck	D2WSB	9	0.0374	1168	0.229	9.990	0.003	-	2.78E-03	1.850E-03	9.250E-04
D2 Landscape Deck	D2WSB	10	0.0374	957	0.226	8.089	0.002	-	2.25E-03	1.498E-03	7.490E-04
D2 Landscape Deck	D2WSB	11	0.0374	763	0.228	6.518	0.002	-	1.81E-03	1.207E-03	6.035E-04
D2 Landscape Deck	D2WSB	12	0.0374	724	0.210	5.674	0.002	-	1.58E-03	1.051E-03	5.254E-04
D2 Landscape Deck	D2WSB	13	0.0374	688	0.228	5.856	0.002	-	1.63E-03	1.084E-03	5.422E-04
D2 Landscape Deck	D2WSB	14	0.0374	647	0.222	5.369	0.001	-	1.49E-03	9.943E-04	4.971E-04
D2 Landscape Deck	D2WSB	15	0.0374	736	0.224	6.158	0.002	-	1.71E-03	1.140E-03	5.701E-04
D2 Landscape Deck	D2WSB	16	0.0374	691	0.221	5.710	0.002	-	1.59E-03	1.057E-03	5.287E-04
D2 Landscape Deck	D2WSB	17	0.0374	646	0.217	5.252	0.001	-	1.46E-03	9.727E-04	4.863E-04
D2 Landscape Deck	D2WSB	18	0.0374	600	0.214	4.810	0.001	-	1.34E-03	8.908E-04	4.454E-04
D2 Landscape Deck	D2WSB	19	0.0374	826	0.209	6.452	0.002	-	1.79E-03	1.195E-03	5.974E-04
D2 Landscape Deck	D2WSB	20	0.0374	667	0.210	5.244	0.001	-	1.46E-03	9.711E-04	4.855E-04
D2 Landscape Deck	D2WSB	21	0.0374	413	0.213	3.291	0.001	-	9.14E-04	6.095E-04	3.048E-04
D2 Landscape Deck	D2WSB	22	0.0374	436	0.215	3.501	0.001	-	9.72E-04	6.483E-04	3.241E-04
D2 Landscape Deck	D2WSB	23	0.0374	823	0.212	6.531	0.002	-	1.81E-03	1.209E-03	6.047E-04
D2 Landscape Deck	D2WSB	24	0.0374	840	0.212	6.659	0.002	-	1.85E-03	1.233E-03	6.166E-04
CKR Slip Road	S3SB	1	0.103	323	0.343	11.425	0.003	-	3.17E-03	2.116E-03	1.058E-03
CKR Slip Road	S3SB	2	0.103	328	0.338	11.405	0.003	-	3.17E-03	2.112E-03	1.056E-03
CKR Slip Road	S3SB	3	0.103	166	0.330	5.641	0.002	-	1.57E-03	1.045E-03	5.233E-04
CKR Slip Road	S3SB	4	0.103	171	0.327	5.758	0.002	-	1.60E-03	1.066E-03	5.331E-04
CKR Slip Road	S3SB	5	0.103	175	0.322	5.813	0.002	-	1.61E-03	1.076E-03	5.382E-04
CKR Slip Road	S3SB	6	0.103	348	0.311	11.154	0.003	-	3.10E-03	2.066E-03	1.033E-03
CKR Slip Road	S3SB	7	0.103	536	0.317	17.167	0.005	-	4.77E-03	3.179E-03	1.590E-03
CKR Slip Road	S3SB	8	0.103	905	0.306	28.499	0.008	-	7.92E-03	5.278E-03	2.639E-03
CKR Slip Road	S3SB	9	0.103	1289	0.311	41.224	0.011	-	1.15E-02	7.634E-03	3.817E-03
CKR Slip Road	S3SB	10	0.103	1082	0.312	34.817	0.010	-	9.67E-03	6.448E-03	3.224E-03
CKR Slip Road	S3SB	11	0.103	878	0.315	28.442	0.008	-	7.90E-03	5.267E-03	2.633E-03
CKR Slip Road	S3SB	12	0.103	860	0.323	28.619	0.008	-	7.95E-03	5.300E-03	2.650E-03
CKR Slip Road	S3SB	13	0.103	837	0.331	28.493	0.008	-	7.91E-03	5.277E-03	2.638E-03
CKR Slip Road	S3SB	14	0.103	820	0.340	28.756	0.008	-	7.99E-03	5.325E-03	2.663E-03
CKR Slip Road	S3SB	15	0.103	957	0.358	35.282	0.010	-	9.80E-03	6.534E-03	3.267E-03
CKR Slip Road	S3SB	16	0.103	932	0.367	35.216	0.010	-	9.78E-03	6.521E-03	3.261E-03
CKR Slip Road	S3SB	17	0.103	908	0.376	35.201	0.010	-	9.78E-03	6.519E-03	3.259E-03
CKR Slip Road	S3SB	18	0.103	885	0.387	35.243	0.010	-	9.79E-03	6.527E-03	3.263E-03
CKR Slip Road	S3SB	19	0.103	1001	0.399	41.133	0.011	-	1.14E-02	7.617E-03	3.809E-03
CKR Slip Road	S3SB	20	0.103	731	0.388	29.198	0.008	-	8.11E-03	5.407E-03	2.704E-03
CKR Slip Road	S3SB	21	0.103	597	0.369	22.716	0.006	-	6.31E-03	4.207E-03	2.103E-03
CKR Slip Road	S3SB	22	0.103	608	0.361	22.579	0.006	-	6.27E-03	4.181E-03	2.091E-03
CKR Slip Road	S3SB	23	0.103	465	0.356	17.056	0.005	-	4.74E-03	3.159E-03	1.579E-03
CKR Slip Road	S3SB	24	0.103	475	0.350	17.144	0.005	-	4.76E-03	3.175E-03	1.587E-03
CKR Landscape Deck	CKRLDSWB	1	0.195	1230	0.309	74.010	0.021	-	2.06E-02	1.371E-02	6.853E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1234	0.310	74.665	0.021	-	2.07E-02	1.383E-02	6.913E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	619	0.312	37.655	0.010	-	1.05E-02	6.973E-03	3.487E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	622	0.314	38.056	0.011	-	1.06E-02	7.047E-03	3.524E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	625	0.315	38.406	0.011	-	1.07E-02	7.112E-03	3.556E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1249	0.317	77.118	0.021	-	2.14E-02	1.428E-02	7.141E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	1883	0.319	117.109	0.033	-	3.25E-02	2.169E-02	1.084E-02
CKR Landscape Deck	CKRLDSWB	8	0.195	3148	0.327	200.811	0.056	-	5.58E-02	3.719E-02	1.859E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	4422	0.355	306.171	0.085	-	8.50E-02	5.670E-02	2.835E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	3772	0.344						

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Landscape Deck	CKRLDSWB	15	0.195	3684	0.342	246.003	0.068	-	6.83E-02	4.556E-02	2.278E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	3666	0.340	242.749	0.067	-	6.74E-02	4.495E-02	2.248E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	3649	0.335	238.391	0.066	-	6.62E-02	4.415E-02	2.207E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	3632	0.333	235.550	0.065	-	6.54E-02	4.362E-02	2.181E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	4243	0.330	272.673	0.076	-	7.57E-02	5.050E-02	2.525E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	3050	0.306	181.737	0.050	-	5.05E-02	3.365E-02	1.683E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2427	0.307	145.341	0.040	-	4.04E-02	2.692E-02	1.346E-02
CKR Landscape Deck	CKRLDSWB	22	0.195	2435	0.309	146.776	0.041	-	4.08E-02	2.718E-02	1.359E-02
CKR Landscape Deck	CKRLDSWB	23	0.195	1913	0.303	112.869	0.031	-	3.14E-02	2.090E-02	1.045E-02
CKR Landscape Deck	CKRLDSWB	24	0.195	1920	0.305	114.128	0.032	-	3.17E-02	2.113E-02	1.057E-02
CKR Landscape Deck	CKRLDNEB	1	0.195	1243	0.291	70.520	0.020	-	1.96E-02	1.306E-02	6.530E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1250	0.290	433.445	0.120	-	1.20E-01	8.027E-02	4.013E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	630	0.291	402.034	0.112	-	1.12E-01	7.445E-02	3.723E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	634	0.289	585.159	0.163	-	1.63E-01	1.084E-01	5.418E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	637	0.288	768.352	0.213	-	2.13E-01	1.423E-01	7.114E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1283	0.287	1915.654	0.532	-	5.32E-01	3.548E-01	1.774E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	1939	0.288	3460.180	0.961	-	9.61E-01	6.408E-01	3.204E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	3252	0.292	6842.493	1.901	-	1.90E+00	1.267E+00	6.336E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	4581	0.315	11820.075	3.283	-	3.28E+00	2.189E+00	1.094E+00
CKR Landscape Deck	CKRLDNEB	10	9.195	3891	0.308	11021.200	3.061	-	3.06E+00	2.041E+00	1.020E+00
CKR Landscape Deck	CKRLDNEB	11	10.195	3215	0.293	9589.931	2.664	-	2.66E+00	1.776E+00	8.880E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	3186	0.294	10503.869	2.918	-	2.92E+00	1.945E+00	9.726E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	3157	0.297	11422.813	3.173	-	3.17E+00	2.115E+00	1.058E+00
CKR Landscape Deck	CKRLDNEB	14	13.195	3129	0.298	12305.890	3.418	-	3.42E+00	2.279E+00	1.139E+00
CKR Landscape Deck	CKRLDNEB	15	14.195	3722	0.325	17145.990	4.763	-	4.76E+00	3.175E+00	1.588E+00
CKR Landscape Deck	CKRLDNEB	16	15.195	3687	0.325	18207.317	5.058	-	5.06E+00	3.372E+00	1.686E+00
CKR Landscape Deck	CKRLDNEB	17	16.195	3652	0.325	19195.425	5.332	-	5.33E+00	3.555E+00	1.777E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3619	0.326	20269.400	5.630	-	5.63E+00	3.754E+00	1.877E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	4267	0.327	25353.724	7.043	-	7.04E+00	4.695E+00	2.348E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	3090	0.300	17786.494	4.941	-	4.94E+00	3.294E+00	1.647E+00
CKR Landscape Deck	CKRLDNEB	21	20.195	2423	0.300	14665.068	4.074	-	4.07E+00	2.716E+00	1.358E+00
CKR Landscape Deck	CKRLDNEB	22	21.195	2439	0.299	15445.488	4.290	-	4.29E+00	2.860E+00	1.430E+00
CKR Landscape Deck	CKRLDNEB	23	22.195	1870	0.292	12109.735	3.364	-	3.36E+00	2.243E+00	1.121E+00
CKR Landscape Deck	CKRLDNEB	24	23.195	1885	0.291	12735.819	3.538	-	3.54E+00	2.358E+00	1.179E+00

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009)
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1243	0.291	723.284	0.201	0.139	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1250	0.290	725.430	0.202	0.139	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	630	0.291	366.318	0.102	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	634	0.289	366.297	0.102	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	637	0.288	366.318	0.102	0.070	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1283	0.287	737.499	0.205	0.141	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1939	0.288	1117.088	0.310	0.214	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	3252	0.292	1902.013	0.528	0.372	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	4581	0.315	2884.704	0.801	0.569	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3891	0.308	2397.216	0.666	0.473	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	3215	0.293	1881.301	0.523	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	3186	0.294	1876.529	0.521	0.367	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	3157	0.297	1873.360	0.520	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	3129	0.298	1865.235	0.518	0.365	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3722	0.325	2415.779	0.671	0.472	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3687	0.325	2396.488	0.666	0.467	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3652	0.325	2370.537	0.658	0.462	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3619	0.326	2357.592	0.655	0.465	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	4267	0.327	2786.889	0.774	0.550	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	3090	0.300	1853.242	0.515	0.361	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2423	0.300	1452.346	0.403	0.279	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2439	0.299	1457.465	0.405	0.280	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1870	0.292	1091.213	0.303	0.210	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1885	0.291	1098.152	0.305	0.210	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1243	0.291	632.873	0.176	-	0.314	0.283	0.031	0.021	0.010
CKR Tunnel	CKRTEEB	2	1.75	1250	0.290	634.752	0.176	-	0.315	0.284	0.032	0.021	0.011
CKR Tunnel	CKRTEEB	3	1.75	630	0.291	320.528	0.089	-	0.159	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	4	1.75	634	0.289	320.510	0.089	-	0.159	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	5	1.75	637	0.288	320.528	0.089	-	0.159	0.143	0.016	0.011	0.005
CKR Tunnel	CKRTEEB	6	1.75	1283	0.287	645.312	0.179	-	0.320	0.288	0.032	0.021	0.011
CKR Tunnel	CKRTEEB	7	1.75	1939	0.288	977.452	0.272	-	0.486	0.437	0.049	0.032	0.016
CKR Tunnel	CKRTEEB	8	1.75	3252	0.292	1664.262	0.462	-	0.834	0.751	0.083	0.056	0.028
CKR Tunnel	CKRTEEB	9	1.75	4581	0.315	2524.116	0.701	-	1.270	1.143	0.127	0.085	0.042
CKR Tunnel	CKRTEEB	10	1.75	3891	0.308	2097.564	0.583	-	1.055	0.950	0.106	0.070	0.035
CKR Tunnel	CKRTEEB	11	1.75	3215	0.293	1646.138	0.457	-	0.824	0.741	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	12	1.75	3186	0.294	1641.963	0.456	-	0.823	0.741	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	13	1.75	3157	0.297	1639.190	0.455	-	0.821	0.739	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	14	1.75	3129	0.298	1632.081	0.453	-	0.818	0.736	0.082	0.055	0.027
CKR Tunnel	CKRTEEB	15	1.75	3722	0.325	2113.806	0.587	-	1.059	0.953	0.106	0.071	0.035
CKR Tunnel	CKRTEEB	16	1.75	3687	0.325	2096.927	0.582	-	1.049	0.944	0.105	0.070	0.035
CKR Tunnel	CKRTEEB	17	1.75	3652	0.325	2074.220	0.576	-	1.038	0.934	0.104	0.069	0.035
CKR Tunnel	CKRTEEB	18	1.75	3619	0.326	2062.893	0.573	-	1.038	0.934	0.104	0.069	0.035
CKR Tunnel	CKRTEEB	19	1.75	4267	0.327	2438.528	0.677	-	1.227	1.104	0.123	0.082	0.041
CKR Tunnel	CKRTEEB	20	1.75	3090	0.300	1621.587	0.450	-	0.811	0.730	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	21	1.75	2423	0.300	1270.803	0.353	-	0.632	0.569	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	22	1.75	2439	0.299	1275.282	0.354	-	0.634	0.571	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	23	1.75	1870	0.292	954.811	0.265	-	0.475	0.428	0.048	0.032	0.016
CKR Tunnel	CKRTEEB	24	1.75	1885	0.291	960.883	0.267	-	0.477	0.430	0.048	0.032	0.016
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.283	-	0.266	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.284	-	0.267	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.143	-	0.135	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.143	-	0.135	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.143	-	0.135	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.288	-	0.271	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.437	-	0.411	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.751	-	0.706	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	1.143	-	1.074	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.950	-	0.893	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.741	-	0.697	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.741	-	0.696	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.739	-	0.695	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.736	-	0.692	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.953	-	0.896	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.944	-	0.888	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.934	-	0.878	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.934	-	0.878	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	1.104	-	1.038	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.730	-	0.687	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.569	-	0.535	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.571	-	0.537	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.428	-	0.402	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.430	-	0.404	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	652	0.175	140.637	0.039	-	1.95E-02	1.302E-02	6.511E-03
Kai Tak Tunnel	KTTE	2	1.23	644	0.176	139.598	0.039	-	1.94E-02	1.293E-02	6.463E-03
Kai Tak Tunnel	KTTE	3	1.23	320	0.176	69.356	0.019	-	9.63E-03	6.422E-03	3.211E-03
Kai Tak Tunnel	KTTE	4	1.23	317	0.177	68.911	0.019	-	9.57E-03	6.381E-03	3.190E-03
Kai Tak Tunnel	KTTE	5	1.23	311	0.178	68.030	0.019	-	9.45E-03	6.299E-03	3.150E-03
Kai Tak Tunnel	KTTE	6	1.23	616	0.180	136.385	0.038	-	1.89E-02	1.263E-02	6.314E-03
Kai Tak Tunnel	KTTE	7	1.23	913	0.181	203.182	0.056	-	2.82E-02	1.881E-02	9.407E-03
Kai Tak Tunnel	KTTE	8	1.23	1500	0.182	335.825	0.093	-	4.66E-02	3.109E-02	1.555E-02
Kai Tak Tunnel	KTTE	9	1.23	2075	0.189	481.310	0.134	-	6.68E-02	4.457E-02	2.228E-02
Kai Tak Tunnel	KTTE	10	1.23	1811	0.185	412.784	0.115	-	5.73E-02	3.822E-02	1.911E-02
Kai Tak Tunnel	KTTE	11	1.23	1534	0.179	337.909	0.094	-	4.69E-02	3.129E-02	1.564E-02
Kai Tak Tunnel	KTTE	12	1.23	1562	0.180	346.240	0.096	-	4.81E-02	3.206E-02	1.603E-02
Kai Tak Tunnel	KTTE	13	1.23	1585	0.179	349.344	0.097	-	4.85E-02	3.235E-02	1.617E-02
Kai Tak Tunnel	KTTE	14	1.23	1612	0.181	357.975	0.099	-	4.97E-02	3.315E-02	1.657E-02
Kai Tak Tunnel	KTTE	15	1.23	1967	0.183	442.116	0.123	-	6.14E-02	4.094E-02	2.047E-02
Kai Tak Tunnel	KTTE	16	1.23	1999	0.182	446.783	0.124	-	6.21E-02	4.137E-02	2.068E-02
Kai Tak Tunnel	KTTE	17	1.23	2030	0.180	448.769	0.125	-	6.23E-02	4.155E-02	2.078E-02
Kai Tak Tunnel	KTTE	18	1.23	2060	0.178	452.229	0.126	-	6.28E-02	4.187E-02	2.094E-02
Kai Tak Tunnel	KTTE	19	1.23	2441	0.178	535.301	0.149	-	7.43E-02	4.956E-02	2.478E-02
Kai Tak Tunnel	KTTE	20	1.23	1725	0.177	376.496	0.105	-	5.23E-02	3.486E-02	1.743E-02
Kai Tak Tunnel	KTTE	21	1.23	1364	0.172	288.523	0.080	-	4.01E-02	2.672E-02	1.336E-02
Kai Tak Tunnel	KTTE	22	1.23	1350	0.173	287.140	0.080	-	3.99E-02	2.659E-02	1.329E-02
Kai Tak Tunnel	KTTE	23	1.23	1002	0.174	214.743	0.060	-	2.98E-02	1.988E-02	9.942E-03
Kai Tak Tunnel	KTTE	24	1.23	991	0.174	212.425	0.059	-	2.95E-02	1.967E-02	9.834E-03
Kai Tak Tunnel	KTTW	1	1.23	699	0.193	166.337	0.046	-	2.31E-02	1.540E-02	7.701E-03
Kai Tak Tunnel	KTTW	2	1.23	720	0.195	172.479	0.048	-	2.40E-02	1.597E-02	7.985E-03
Kai Tak Tunnel	KTTW	3	1.23	368	0.193	87.507	0.024	-	1.22E-02	8.103E-03	4.051E-03
Kai Tak Tunnel	KTTW	4	1.23	379	0.196	91.382	0.025	-	1.27E-02	8.461E-03	4.231E-03
Kai Tak Tunnel	KTTW	5	1.23	388	0.197	94.045	0.026	-	1.31E-02	8.708E-03	4.354E-03
Kai Tak Tunnel	KTTW	6	1.23	795	0.196	191.680	0.053	-	2.66E-02	1.775E-02	8.874E-03
Kai Tak Tunnel	KTTW	7	1.23	1223	0.198	298.081	0.083	-	4.14E-02	2.760E-02	1.380E-02
Kai Tak Tunnel	KTTW	8	1.23	2089	0.199	511.617	0.142	-	7.11E-02	4.737E-02	2.369E-02
Kai Tak Tunnel	KTTW	9	1.23	2993	0.206	759.833	0.211	-	1.06E-01	7.035E-02	3.518E-02
Kai Tak Tunnel	KTTW	10	1.23	2484	0.203	620.024	0.172	-	8.61E-02	5.741E-02	2.870E-02
Kai Tak Tunnel	KTTW	11	1.23	2003	0.197	485.812	0.135	-	6.75E-02	4.498E-02	2.249E-02
Kai Tak Tunnel	KTTW	12	1.23	1934	0.198	471.849	0.131	-	6.55E-02	4.369E-02	2.184E-02
Kai Tak Tunnel	KTTW	13	1.23	1866	0.198	454.998	0.126	-	6.32E-02	4.213E-02	2.106E-02
Kai Tak Tunnel	KTTW	14	1.23	1800	0.200	443.342	0.123	-	6.16E-02	4.105E-02	2.053E-02
Kai Tak Tunnel	KTTW	15	1.23	2079	0.203	517.978	0.144	-	7.19E-02	4.796E-02	2.398E-02
Kai Tak Tunnel	KTTW	16	1.23	1999	0.202	497.087	0.138	-	6.90E-02	4.603E-02	2.301E-02
Kai Tak Tunnel	KTTW	17	1.23	1918	0.201	473.573	0.132	-	6.58E-02	4.385E-02	2.192E-02
Kai Tak Tunnel	KTTW	18	1.23	1839	0.200	452.244	0.126	-	6.28E-02	4.187E-02	2.094E-02
Kai Tak Tunnel	KTTW	19	1.23	2047	0.199	501.790	0.139	-	6.97E-02	4.646E-02	2.323E-02
Kai Tak Tunnel	KTTW	20	1.23	1510	0.198	368.036	0.102	-	5.11E-02	3.408E-02	1.704E-02
Kai Tak Tunnel	KTTW	21	1.23	1246	0.192	294.123	0.082	-	4.09E-02	2.723E-02	1.362E-02
Kai Tak Tunnel	KTTW	22	1.23	1287	0.193	305.861	0.085	-	4.25E-02	2.832E-02	1.416E-02
Kai Tak Tunnel	KTTW	23	1.23	992	0.193	234.924	0.065	-	3.26E-02	2.175E-02	1.088E-02
Kai Tak Tunnel	KTTW	24	1.23	1020	0.193	241.777	0.067	-	3.36E-02	2.239E-02	1.119E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	4.26E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	4.33E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	2.18E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	2.23E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	2.25E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	4.56E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	6.96E-02	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	1.18E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	1.72E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	1.43E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	1.14E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	1.14E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	1.12E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	1.11E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	1.33E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	1.31E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	1.28E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	1.26E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	1.44E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.03E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	8.09E-02	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	8.24E-02	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	6.25E-02	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	6.31E-02	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	214	0.166	4.428	0.001	-	1.23E-03	8.199E-04	4.100E-04
D2 Landscape Deck	D2ENB	2	0.125	210	0.165	4.344	0.001	-	1.21E-03	8.045E-04	4.022E-04
D2 Landscape Deck	D2ENB	3	0.125	103	0.169	2.173	0.001	-	6.04E-04	4.024E-04	2.012E-04
D2 Landscape Deck	D2ENB	4	0.125	101	0.169	2.127	0.001	-	5.91E-04	3.940E-04	1.970E-04
D2 Landscape Deck	D2ENB	5	0.125	100	0.170	2.131	0.001	-	5.92E-04	3.946E-04	1.973E-04
D2 Landscape Deck	D2ENB	6	0.125	198	0.172	4.262	0.001	-	1.18E-03	7.892E-04	3.946E-04
D2 Landscape Deck	D2ENB	7	0.125	289	0.172	6.213	0.002	-	1.73E-03	1.150E-03	5.752E-04
D2 Landscape Deck	D2ENB	8	0.125	474	0.177	10.469	0.003	-	2.91E-03	1.939E-03	9.693E-04
D2 Landscape Deck	D2ENB	9	0.125	653	0.176	14.345	0.004	-	3.98E-03	2.657E-03	1.328E-03
D2 Landscape Deck	D2ENB	10	0.125	574	0.173	12.400	0.003	-	3.44E-03	2.296E-03	1.148E-03
D2 Landscape Deck	D2ENB	11	0.125	493	0.174	10.718	0.003	-	2.98E-03	1.985E-03	9.924E-04
D2 Landscape Deck	D2ENB	12	0.125	505	0.173	10.916	0.003	-	3.03E-03	2.022E-03	1.011E-03
D2 Landscape Deck	D2ENB	13	0.125	518	0.172	11.161	0.003	-	3.10E-03	2.067E-03	1.033E-03
D2 Landscape Deck	D2ENB	14	0.125	531	0.171	11.325	0.003	-	3.15E-03	2.097E-03	1.049E-03
D2 Landscape Deck	D2ENB	15	0.125	647	0.168	13.553	0.004	-	3.76E-03	2.510E-03	1.255E-03
D2 Landscape Deck	D2ENB	16	0.125	664	0.167	13.838	0.004	-	3.84E-03	2.563E-03	1.281E-03
D2 Landscape Deck	D2ENB	17	0.125	680	0.164	13.962	0.004	-	3.88E-03	2.586E-03	1.293E-03
D2 Landscape Deck	D2ENB	18	0.125	695	0.163	14.158	0.004	-	3.93E-03	2.622E-03	1.311E-03
D2 Landscape Deck	D2ENB	19	0.125	828	0.162	16.772	0.005	-	4.66E-03	3.106E-03	1.553E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	584	0.162	11.835	0.003	-	3.29E-03	2.192E-03	1.096E-03
D2 Landscape Deck	D2ENB	21	0.125	459	0.165	9.463	0.003	-	2.63E-03	1.752E-03	8.762E-04
D2 Landscape Deck	D2ENB	22	0.125	453	0.166	9.377	0.003	-	2.60E-03	1.737E-03	8.683E-04
D2 Landscape Deck	D2ENB	23	0.125	333	0.160	6.681	0.002	-	1.86E-03	1.237E-03	6.186E-04
D2 Landscape Deck	D2ENB	24	0.125	325	0.160	6.507	0.002	-	1.81E-03	1.205E-03	6.025E-04
D2 Landscape Deck	D2MSB	1	0.125	240	0.164	4.915	0.001	-	1.37E-03	9.101E-04	4.551E-04
D2 Landscape Deck	D2MSB	2	0.125	250	0.165	5.163	0.001	-	1.43E-03	9.561E-04	4.780E-04
D2 Landscape Deck	D2MSB	3	0.125	128	0.166	2.651	0.001	-	7.36E-04	4.910E-04	2.455E-04
D2 Landscape Deck	D2MSB	4	0.125	133	0.165	2.737	0.001	-	7.60E-04	5.068E-04	2.534E-04
D2 Landscape Deck	D2MSB	5	0.125	135	0.164	2.762	0.001	-	7.67E-04	5.115E-04	2.558E-04
D2 Landscape Deck	D2MSB	6	0.125	286	0.168	6.011	0.002	-	1.67E-03	1.113E-03	5.566E-04
D2 Landscape Deck	D2MSB	7	0.125	449	0.173	9.732	0.003	-	2.70E-03	1.802E-03	9.011E-04
D2 Landscape Deck	D2MSB	8	0.125	763	0.172	16.422	0.005	-	4.56E-03	3.041E-03	1.521E-03
D2 Landscape Deck	D2MSB	9	0.125	1107	0.174	24.081	0.007	-	6.69E-03	4.459E-03	2.230E-03
D2 Landscape Deck	D2MSB	10	0.125	910	0.172	19.540	0.005	-	5.43E-03	3.618E-03	1.809E-03
D2 Landscape Deck	D2MSB	11	0.125	724	0.172	15.533	0.004	-	4.31E-03	2.876E-03	1.438E-03
D2 Landscape Deck	D2MSB	12	0.125	692	0.171	14.751	0.004	-	4.10E-03	2.732E-03	1.366E-03
D2 Landscape Deck	D2MSB	13	0.125	657	0.169	13.841	0.004	-	3.84E-03	2.563E-03	1.282E-03
D2 Landscape Deck	D2MSB	14	0.125	626	0.169	13.260	0.004	-	3.68E-03	2.455E-03	1.228E-03
D2 Landscape Deck	D2MSB	15	0.125	711	0.167	14.872	0.004	-	4.13E-03	2.754E-03	1.377E-03
D2 Landscape Deck	D2MSB	16	0.125	671	0.166	13.892	0.004	-	3.86E-03	2.573E-03	1.286E-03
D2 Landscape Deck	D2MSB	17	0.125	631	0.162	12.799	0.004	-	3.56E-03	2.370E-03	1.185E-03
D2 Landscape Deck	D2MSB	18	0.125	593	0.160	11.866	0.003	-	3.30E-03	2.197E-03	1.099E-03
D2 Landscape Deck	D2MSB	19	0.125	641	0.157	12.564	0.003	-	3.49E-03	2.327E-03	1.163E-03
D2 Landscape Deck	D2MSB	20	0.125	483	0.158	9.537	0.003	-	2.65E-03	1.766E-03	8.831E-04
D2 Landscape Deck	D2MSB	21	0.125	402	0.158	7.961	0.002	-	2.21E-03	1.474E-03	7.372E-04
D2 Landscape Deck	D2MSB	22	0.125	427	0.164	8.742	0.002	-	2.43E-03	1.619E-03	8.095E-04
D2 Landscape Deck	D2MSB	23	0.125	331	0.156	6.465	0.002	-	1.80E-03	1.197E-03	5.986E-04
D2 Landscape Deck	D2MSB	24	0.125	344	0.160	6.865	0.002	-	1.91E-03	1.271E-03	6.356E-04
D2 Landscape Deck	D2MNB	1	0.0374	226	0.161	1.360	0.000	-	3.78E-04	2.518E-04	1.259E-04
D2 Landscape Deck	D2MNB	2	0.0374	223	0.164	1.371	0.000	-	3.81E-04	2.538E-04	1.269E-04
D2 Landscape Deck	D2MNB	3	0.0374	107	0.164	0.657	0.000	-	1.83E-04	1.217E-04	6.087E-05
D2 Landscape Deck	D2MNB	4	0.0374	103	0.167	0.642	0.000	-	1.78E-04	1.189E-04	5.943E-05
D2 Landscape Deck	D2MNB	5	0.0374	100	0.169	0.630	0.000	-	1.75E-04	1.167E-04	5.836E-05
D2 Landscape Deck	D2MNB	6	0.0374	196	0.169	1.237	0.000	-	3.44E-04	2.291E-04	1.145E-04
D2 Landscape Deck	D2MNB	7	0.0374	284	0.171	1.818	0.001	-	5.05E-04	3.366E-04	1.683E-04
D2 Landscape Deck	D2MNB	8	0.0374	459	0.176	3.027	0.001	-	8.41E-04	5.605E-04	2.802E-04
D2 Landscape Deck	D2MNB	9	0.0374	616	0.174	4.000	0.001	-	1.11E-03	7.407E-04	3.704E-04
D2 Landscape Deck	D2MNB	10	0.0374	559	0.172	3.606	0.001	-	1.00E-03	6.678E-04	3.339E-04
D2 Landscape Deck	D2MNB	11	0.0374	488	0.171	3.126	0.001	-	8.68E-04	5.788E-04	2.894E-04
D2 Landscape Deck	D2MNB	12	0.0374	510	0.169	3.223	0.001	-	8.95E-04	5.969E-04	2.985E-04
D2 Landscape Deck	D2MNB	13	0.0374	529	0.166	3.283	0.001	-	9.12E-04	6.080E-04	3.040E-04
D2 Landscape Deck	D2MNB	14	0.0374	552	0.164	3.386	0.001	-	9.40E-04	6.270E-04	3.135E-04
D2 Landscape Deck	D2MNB	15	0.0374	688	0.162	4.168	0.001	-	1.16E-03	7.719E-04	3.859E-04
D2 Landscape Deck	D2MNB	16	0.0374	716	0.160	4.288	0.001	-	1.19E-03	7.942E-04	3.971E-04
D2 Landscape Deck	D2MNB	17	0.0374	744	0.158	4.405	0.001	-	1.22E-03	8.158E-04	4.079E-04
D2 Landscape Deck	D2MNB	18	0.0374	767	0.157	4.499	0.001	-	1.25E-03	8.331E-04	4.165E-04
D2 Landscape Deck	D2MNB	19	0.0374	928	0.155	5.391	0.001	-	1.50E-03	9.984E-04	4.992E-04
D2 Landscape Deck	D2MNB	20	0.0374	650	0.157	3.826	0.001	-	1.06E-03	7.086E-04	3.543E-04
D2 Landscape Deck	D2MNB	21	0.0374	503	0.155	2.912	0.001	-	8.09E-04	5.392E-04	2.696E-04
D2 Landscape Deck	D2MNB	22	0.0374	491	0.156	2.861	0.001	-	7.95E-04	5.297E-04	2.649E-04
D2 Landscape Deck	D2MNB	23	0.0374	358	0.157	2.107	0.001	-	5.85E-04	3.901E-04	1.951E-04
D2 Landscape Deck	D2MNB	24	0.0374	351	0.159	2.083	0.001	-	5.79E-04	3.857E-04	1.928E-04
D2 Landscape Deck	D2WSB	1	0.0374	241	0.166	1.499	0.000	-	4.16E-04	2.776E-04	1.388E-04
D2 Landscape Deck	D2WSB	2	0.0374	250	0.166	1.553	0.000	-	4.31E-04	2.876E-04	1.438E-04
D2 Landscape Deck	D2WSB	3	0.0374	127	0.165	0.784	0.000	-	2.18E-04	1.453E-04	7.264E-05
D2 Landscape Deck	D2WSB	4	0.0374	132	0.167	0.822	0.000	-	2.28E-04	1.522E-04	7.612E-05
D2 Landscape Deck	D2WSB	5	0.0374	139	0.170	0.885	0.000	-	2.46E-04	1.638E-04	8.192E-05
D2 Landscape Deck	D2WSB	6	0.0374	281	0.168	1.768	0.000	-	4.91E-04	3.275E-04	1.637E-04
D2 Landscape Deck	D2WSB	7	0.0374	442	0.174	2.871	0.001	-	7.98E-04	5.317E-04	2.659E-04
D2 Landscape Deck	D2WSB	8	0.0374	754	0.173	4.890	0.001	-	1.36E-03	9.056E-04	4.528E-04
D2 Landscape Deck	D2WSB	9	0.0374	1087	0.174	7.088	0.002	-	1.97E-03	1.313E-03	6.563E-04
D2 Landscape Deck	D2WSB	10	0.0374	897	0.172	5.775	0.002	-	1.60E-03	1.069E-03	5.347E-04
D2 Landscape Deck	D2WSB	11	0.0374	715	0.171	4.577	0.001	-	1.27E-03	8.477E-04	4.238E-04
D2 Landscape Deck	D2WSB	12	0.0374	685	0.171	4.376	0.001	-	1.22E-03	8.104E-04	4.052E-04
D2 Landscape Deck	D2WSB	13	0.0374	654	0.169	4.134	0.001	-	1.15E-03	7.655E-04	3.827E-04
D2 Landscape Deck	D2WSB	14	0.0374	627	0.170	3.994	0.001	-	1.11E-03	7.396E-04	3.698E-04
D2 Landscape Deck	D2WSB	15	0.0374	712	0.169	4.497	0.001	-	1.25E-03	8.327E-04	4.164E-04
D2 Landscape Deck	D2WSB	16	0.0374	675	0.166	4.196	0.001	-	1.17E-03	7.770E-04	3.885E-04
D2 Landscape Deck	D2WSB	17	0.0374	639	0.163	3.903	0.001	-	1.08E-03	7.227E-04	3.613E-04
D2 Landscape Deck	D2WSB	18	0.0374	603	0.163	3.676	0.001	-	1.02E-03	6.807E-04	3.404E-04
D2 Landscape Deck	D2WSB	19	0.0374	662	0.161	3.988	0.001	-	1.11E-03	7.385E-04	3.692E-04
D2 Landscape Deck	D2WSB	20	0.0374	493	0.161	2.969	0.001	-	8.25E-04	5.498E-04	2.749E-04
D2 Landscape Deck	D2WSB	21	0.0374	413	0.162	2.500	0.001	-	6.95E-04	4.630E-04	2.315E-04
D2 Landscape Deck	D2WSB	22	0.0374	429	0.164	2.634	0.001	-	7.32E-04	4.879E-04	2.439E-04
D2 Landscape Deck	D2WSB	23	0.0374	336	0.166	2.088	0.001	-	5.80E-04	3.866E-04	1.933E-04
D2 Landscape Deck	D2WSB	24	0.0374	347	0.165	2.137	0.001	-	5.94E-04	3.957E-04	1.979E-04
CKR Slip Road	S3SB	1	0.103	345	0.188	6.686	0.002	-	1.86E-03	1.238E-03	6.190E-04
CKR Slip Road	S3SB	2	0.103	352	0.187	6.768	0.002	-	1.88E-03	1.253E-03	6.266E-04
CKR Slip Road	S3SB	3	0.103	180	0.185	3.437	0.001	-	9.55E-04	6.366E-04	3.183E-04
CKR Slip Road	S3SB	4	0.103	184	0.184	3.480	0.001	-	9.67E-04	6.445E-04	3.222E-04
CKR Slip Road	S3SB	5	0.103	188	0.183	3.552	0.001	-	9.87E-04	6.579E-04	3.289E-04
CKR Slip Road	S3SB	6	0.103	380	0.184	7.210	0.002	-	2.00E-03	1.335E-03	6.676E-04
CKR Slip Road	S3SB	7	0.103	580	0.183	10.918	0.003	-	3.03E-03	2.022E-03	1.011E-03
CKR Slip Road	S3SB	8	0.103	984	0.183	18.515	0.005	-	5.14E-03	3.429E-03	1.714E-03
CKR Slip Road	S3SB	9	0.103	1399	0.187	26.977	0.007	-	7.49E-03	4.996E-03	2.498E-03
CKR Slip Road	S3SB	10	0.103	1171	0.186	22.420	0.006	-	6.23E-03	4.152E-03	2.076E-03
CKR Slip Road	S3SB	11	0.103	952	0.183	17.979	0.005	-	4.99E-03	3.329E-03	1.665E-03
CKR Slip Road	S3SB	12	0.103	928	0.186	17.785	0.005	-	4.94E-03	3.294E-03	1.647E-03
CKR Slip Road	S3SB	13	0.103	905	0.189	17.614	0.005	-	4.89E-03	3.262E-03	1.631E-03
CKR Slip Road	S3SB	14	0.103	881	0.192	17.418	0.005	-	4.84E-03	3.225E-03	1.613E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	1028	0.197	20.807	0.006	-	5.78E-03	3.853E-03	1.927E-03
CKR Slip Road	S3SB	16	0.103	1001	0.199	20.470	0.006	-	5.69E-03	3.791E-03	1.895E-03
CKR Slip Road	S3SB	17	0.103	971	0.200	20.048	0.006	-	5.57E-03	3.713E-03	1.856E-03
CKR Slip Road	S3SB	18	0.103	941	0.202	19.607	0.005	-	5.45E-03	3.631E-03	1.816E-03
CKR Slip Road	S3SB	19	0.103	1066	0.205	22.533	0.006	-	6.26E-03	4.173E-03	2.086E-03
CKR Slip Road	S3SB	20	0.103	779	0.201	16.162	0.004	-	4.49E-03	2.993E-03	1.496E-03
CKR Slip Road	S3SB	21	0.103	634	0.193	12.620	0.004	-	3.51E-03	2.337E-03	1.169E-03
CKR Slip Road	S3SB	22	0.103	649	0.192	12.830	0.004	-	3.56E-03	2.376E-03	1.188E-03
CKR Slip Road	S3SB	23	0.103	497	0.191	9.767	0.003	-	2.71E-03	1.809E-03	9.043E-04
CKR Slip Road	S3SB	24	0.103	507	0.189	9.877	0.003	-	2.74E-03	1.829E-03	9.145E-04
CKR Landscape Deck	CKRLDSWB	1	0.195	1338	0.170	44.268	0.012	-	1.23E-02	8.198E-03	4.099E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1342	0.171	44.725	0.012	-	1.24E-02	8.282E-03	4.141E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	671	0.171	22.435	0.006	-	6.23E-03	4.155E-03	2.077E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	673	0.173	22.678	0.006	-	6.30E-03	4.200E-03	2.100E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	676	0.173	22.837	0.006	-	6.34E-03	4.229E-03	2.115E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1350	0.175	46.034	0.013	-	1.28E-02	8.525E-03	4.262E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	2025	0.176	69.315	0.019	-	1.93E-02	1.284E-02	6.418E-03
CKR Landscape Deck	CKRLDSWB	8	0.195	3387	0.179	118.325	0.033	-	3.29E-02	2.191E-02	1.096E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	4744	0.200	184.805	0.051	-	5.13E-02	3.422E-02	1.711E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	4058	0.191	151.125	0.042	-	4.20E-02	2.799E-02	1.399E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	3378	0.177	116.405	0.032	-	3.23E-02	2.156E-02	1.078E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	3372	0.176	115.728	0.032	-	3.21E-02	2.143E-02	1.072E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	3363	0.175	114.998	0.032	-	3.19E-02	2.130E-02	1.065E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	3358	0.174	114.201	0.032	-	3.17E-02	2.115E-02	1.057E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	4020	0.186	145.997	0.041	-	4.06E-02	2.704E-02	1.352E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	4012	0.185	144.523	0.040	-	4.01E-02	2.676E-02	1.338E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	4004	0.182	142.320	0.040	-	3.95E-02	2.636E-02	1.318E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	3997	0.181	141.064	0.039	-	3.92E-02	2.612E-02	1.306E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	4653	0.180	163.067	0.045	-	4.53E-02	3.020E-02	1.510E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	3327	0.168	108.991	0.030	-	3.03E-02	2.018E-02	1.009E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2667	0.168	87.571	0.024	-	2.43E-02	1.622E-02	8.108E-03
CKR Landscape Deck	CKRLDSWB	22	0.195	2669	0.169	88.135	0.024	-	2.45E-02	1.632E-02	8.161E-03
CKR Landscape Deck	CKRLDSWB	23	0.195	2004	0.167	65.385	0.018	-	1.82E-02	1.211E-02	6.054E-03
CKR Landscape Deck	CKRLDSWB	24	0.195	2012	0.169	66.176	0.018	-	1.84E-02	1.225E-02	6.127E-03
CKR Landscape Deck	CKRLDNEB	1	0.195	1317	0.165	42.473	0.012	-	1.18E-02	7.865E-03	3.933E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1326	0.166	262.415	0.073	-	7.29E-02	4.860E-02	2.430E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	670	0.166	244.327	0.068	-	6.79E-02	4.525E-02	2.262E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	676	0.166	359.155	0.100	-	9.98E-02	6.651E-02	3.326E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	676	0.166	469.381	0.130	-	1.30E-01	8.692E-02	4.346E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1363	0.167	1185.702	0.329	-	3.29E-01	2.196E-01	1.098E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	2062	0.168	2142.255	0.595	-	5.95E-01	3.967E-01	1.984E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	3466	0.171	4256.021	1.182	-	1.18E+00	7.882E-01	3.941E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	4883	0.189	7568.528	2.102	-	2.10E+00	1.402E+00	7.008E-01
CKR Landscape Deck	CKRLDNEB	10	9.195	4149	0.182	6939.598	1.928	-	1.93E+00	1.285E+00	6.426E-01
CKR Landscape Deck	CKRLDNEB	11	10.195	3421	0.169	5896.537	1.638	-	1.64E+00	1.092E+00	5.460E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	3385	0.169	6412.437	1.781	-	1.78E+00	1.187E+00	5.937E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	3349	0.170	6927.691	1.924	-	1.92E+00	1.283E+00	6.415E-01
CKR Landscape Deck	CKRLDNEB	14	13.195	3315	0.169	7411.237	2.059	-	2.06E+00	1.372E+00	6.862E-01
CKR Landscape Deck	CKRLDNEB	15	14.195	3936	0.182	10152.191	2.820	-	2.82E+00	1.880E+00	9.400E-01
CKR Landscape Deck	CKRLDNEB	16	15.195	3894	0.181	10716.941	2.977	-	2.98E+00	1.985E+00	9.923E-01
CKR Landscape Deck	CKRLDNEB	17	16.195	3849	0.180	11191.140	3.109	-	3.11E+00	2.072E+00	1.036E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3809	0.179	11736.065	3.260	-	3.26E+00	2.173E+00	1.087E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	4396	0.179	14305.591	3.974	-	3.97E+00	2.649E+00	1.325E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	3164	0.167	10120.542	2.811	-	2.81E+00	1.874E+00	9.371E-01
CKR Landscape Deck	CKRLDNEB	21	20.195	2553	0.167	8590.711	2.386	-	2.39E+00	1.591E+00	7.954E-01
CKR Landscape Deck	CKRLDNEB	22	21.195	2571	0.167	9089.545	2.525	-	2.52E+00	1.683E+00	8.416E-01
CKR Landscape Deck	CKRLDNEB	23	22.195	1943	0.165	7105.257	1.974	-	1.97E+00	1.316E+00	6.579E-01
CKR Landscape Deck	CKRLDNEB	24	23.195	1962	0.165	7499.828	2.083	-	2.08E+00	1.389E+00	6.944E-01

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1317	0.165	435.617	0.121	0.084	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1326	0.166	439.188	0.122	0.084	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	670	0.166	222.621	0.062	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	676	0.166	224.823	0.062	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	676	0.166	223.781	0.062	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1363	0.167	456.478	0.127	0.087	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	2062	0.168	691.608	0.192	0.133	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	3466	0.171	1183.050	0.329	0.231	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	4883	0.189	1847.109	0.513	0.364	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	4149	0.182	1509.429	0.419	0.298	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	3421	0.169	1156.751	0.321	0.225	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	3385	0.169	1145.589	0.318	0.224	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	3349	0.170	1136.153	0.316	0.222	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	3315	0.169	1123.340	0.312	0.220	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3936	0.182	1430.390	0.397	0.280	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3894	0.181	1410.588	0.392	0.275	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3849	0.180	1382.049	0.384	0.269	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3809	0.179	1365.055	0.379	0.269	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	4396	0.179	1572.475	0.437	0.310	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	3164	0.167	1054.498	0.293	0.205	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2553	0.167	850.776	0.236	0.164	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2571	0.167	857.707	0.238	0.165	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1943	0.165	640.257	0.178	0.123	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1962	0.165	646.676	0.180	0.124	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1317	0.165	381.165	0.106	-	0.189	0.170	0.019	0.013	0.006
CKR Tunnel	CKRTEEB	2	1.75	1326	0.166	384.290	0.107	-	0.191	0.172	0.019	0.013	0.006
CKR Tunnel	CKRTEEB	3	1.75	670	0.166	194.793	0.054	-	0.097	0.087	0.010	0.006	0.003
CKR Tunnel	CKRTEEB	4	1.75	676	0.166	196.720	0.055	-	0.098	0.088	0.010	0.007	0.003
CKR Tunnel	CKRTEEB	5	1.75	676	0.166	195.809	0.054	-	0.097	0.087	0.010	0.006	0.003
CKR Tunnel	CKRTEEB	6	1.75	1363	0.167	399.418	0.111	-	0.198	0.178	0.020	0.013	0.007
CKR Tunnel	CKRTEEB	7	1.75	2062	0.168	605.157	0.168	-	0.301	0.271	0.030	0.020	0.010
CKR Tunnel	CKRTEEB	8	1.75	3466	0.171	1035.168	0.288	-	0.519	0.467	0.052	0.035	0.017
CKR Tunnel	CKRTEEB	9	1.75	4883	0.189	1616.220	0.449	-	0.813	0.732	0.081	0.054	0.027
CKR Tunnel	CKRTEEB	10	1.75	4149	0.182	1320.750	0.367	-	0.665	0.598	0.066	0.044	0.022
CKR Tunnel	CKRTEEB	11	1.75	3421	0.169	1012.157	0.281	-	0.507	0.456	0.051	0.034	0.017
CKR Tunnel	CKRTEEB	12	1.75	3385	0.169	1002.391	0.278	-	0.502	0.452	0.050	0.033	0.017
CKR Tunnel	CKRTEEB	13	1.75	3349	0.170	994.134	0.276	-	0.498	0.448	0.050	0.033	0.017
CKR Tunnel	CKRTEEB	14	1.75	3315	0.169	982.923	0.273	-	0.493	0.443	0.049	0.033	0.016
CKR Tunnel	CKRTEEB	15	1.75	3936	0.182	1251.591	0.348	-	0.627	0.565	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	16	1.75	3894	0.181	1234.264	0.343	-	0.618	0.556	0.062	0.041	0.021
CKR Tunnel	CKRTEEB	17	1.75	3849	0.180	1209.293	0.336	-	0.605	0.545	0.061	0.040	0.020
CKR Tunnel	CKRTEEB	18	1.75	3809	0.179	1194.424	0.332	-	0.601	0.541	0.060	0.040	0.020
CKR Tunnel	CKRTEEB	19	1.75	4396	0.179	1375.916	0.382	-	0.692	0.623	0.069	0.046	0.023
CKR Tunnel	CKRTEEB	20	1.75	3164	0.167	922.685	0.256	-	0.462	0.416	0.046	0.031	0.015
CKR Tunnel	CKRTEEB	21	1.75	2553	0.167	744.429	0.207	-	0.370	0.333	0.037	0.025	0.012
CKR Tunnel	CKRTEEB	22	1.75	2571	0.167	750.493	0.208	-	0.373	0.336	0.037	0.025	0.012
CKR Tunnel	CKRTEEB	23	1.75	1943	0.165	560.225	0.156	-	0.279	0.251	0.028	0.019	0.009
CKR Tunnel	CKRTEEB	24	1.75	1962	0.165	565.842	0.157	-	0.281	0.253	0.028	0.019	0.009
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.170	-	0.160	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.172	-	0.162	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.087	-	0.082	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.088	-	0.083	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.087	-	0.082	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.178	-	0.168	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.271	-	0.254	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.467	-	0.439	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.732	-	0.688	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.598	-	0.562	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.456	-	0.428	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.452	-	0.425	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.448	-	0.421	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.443	-	0.417	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.565	-	0.531	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.556	-	0.523	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.545	-	0.512	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.541	-	0.508	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.623	-	0.586	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.416	-	0.391	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.333	-	0.313	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.336	-	0.316	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.251	-	0.236	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.253	-	0.238	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	652	0.175	140.645	0.039	-	1.95E-02	1.302E-02	6.511E-03
Kai Tak Tunnel	KTTE	2	1.23	644	0.176	139.612	0.039	-	1.94E-02	1.292E-02	6.464E-03
Kai Tak Tunnel	KTTE	3	1.23	320	0.176	69.366	0.019	-	9.63E-03	6.423E-03	3.211E-03
Kai Tak Tunnel	KTTE	4	1.23	317	0.177	68.921	0.019	-	9.57E-03	6.382E-03	3.191E-03
Kai Tak Tunnel	KTTE	5	1.23	311	0.178	68.041	0.019	-	9.45E-03	6.300E-03	3.150E-03
Kai Tak Tunnel	KTTE	6	1.23	616	0.180	136.398	0.038	-	1.89E-02	1.263E-02	6.315E-03
Kai Tak Tunnel	KTTE	7	1.23	913	0.181	203.196	0.056	-	2.82E-02	1.881E-02	9.407E-03
Kai Tak Tunnel	KTTE	8	1.23	1500	0.182	335.838	0.093	-	4.66E-02	3.110E-02	1.555E-02
Kai Tak Tunnel	KTTE	9	1.23	2075	0.191	487.600	0.135	-	6.77E-02	4.515E-02	2.257E-02
Kai Tak Tunnel	KTTE	10	1.23	1811	0.185	412.777	0.115	-	5.73E-02	3.822E-02	1.911E-02
Kai Tak Tunnel	KTTE	11	1.23	1534	0.179	337.931	0.094	-	4.69E-02	3.129E-02	1.564E-02
Kai Tak Tunnel	KTTE	12	1.23	1562	0.180	346.254	0.096	-	4.81E-02	3.206E-02	1.603E-02
Kai Tak Tunnel	KTTE	13	1.23	1585	0.179	349.369	0.097	-	4.85E-02	3.235E-02	1.617E-02
Kai Tak Tunnel	KTTE	14	1.23	1612	0.181	357.993	0.099	-	4.97E-02	3.315E-02	1.657E-02
Kai Tak Tunnel	KTTE	15	1.23	1967	0.183	443.239	0.123	-	6.16E-02	4.104E-02	2.052E-02
Kai Tak Tunnel	KTTE	16	1.23	1999	0.182	446.809	0.124	-	6.21E-02	4.137E-02	2.069E-02
Kai Tak Tunnel	KTTE	17	1.23	2030	0.180	448.799	0.125	-	6.23E-02	4.156E-02	2.078E-02
Kai Tak Tunnel	KTTE	18	1.23	2060	0.178	452.261	0.126	-	6.28E-02	4.188E-02	2.094E-02
Kai Tak Tunnel	KTTE	19	1.23	2441	0.178	535.360	0.149	-	7.44E-02	4.957E-02	2.479E-02
Kai Tak Tunnel	KTTE	20	1.23	1725	0.177	376.552	0.105	-	5.23E-02	3.487E-02	1.743E-02
Kai Tak Tunnel	KTTE	21	1.23	1364	0.172	288.573	0.080	-	4.01E-02	2.672E-02	1.336E-02
Kai Tak Tunnel	KTTE	22	1.23	1350	0.173	287.180	0.080	-	3.99E-02	2.659E-02	1.330E-02
Kai Tak Tunnel	KTTE	23	1.23	1002	0.174	214.768	0.060	-	2.98E-02	1.989E-02	9.943E-03
Kai Tak Tunnel	KTTE	24	1.23	991	0.174	212.452	0.059	-	2.95E-02	1.967E-02	9.836E-03
Kai Tak Tunnel	KTTW	1	1.23	699	0.193	166.326	0.046	-	2.31E-02	1.540E-02	7.700E-03
Kai Tak Tunnel	KTTW	2	1.23	720	0.195	172.472	0.048	-	2.40E-02	1.597E-02	7.985E-03
Kai Tak Tunnel	KTTW	3	1.23	368	0.193	87.502	0.024	-	1.22E-02	8.102E-03	4.051E-03
Kai Tak Tunnel	KTTW	4	1.23	379	0.196	91.375	0.025	-	1.27E-02	8.461E-03	4.230E-03
Kai Tak Tunnel	KTTW	5	1.23	388	0.197	94.043	0.026	-	1.31E-02	8.708E-03	4.354E-03
Kai Tak Tunnel	KTTW	6	1.23	795	0.196	191.669	0.053	-	2.66E-02	1.775E-02	8.874E-03
Kai Tak Tunnel	KTTW	7	1.23	1223	0.198	298.040	0.083	-	4.14E-02	2.760E-02	1.380E-02
Kai Tak Tunnel	KTTW	8	1.23	2089	0.199	511.558	0.142	-	7.10E-02	4.737E-02	2.368E-02
Kai Tak Tunnel	KTTW	9	1.23	2993	0.209	769.596	0.214	-	1.07E-01	7.126E-02	3.563E-02
Kai Tak Tunnel	KTTW	10	1.23	2484	0.203	619.927	0.172	-	8.61E-02	5.740E-02	2.870E-02
Kai Tak Tunnel	KTTW	11	1.23	2003	0.197	485.755	0.135	-	6.75E-02	4.498E-02	2.249E-02
Kai Tak Tunnel	KTTW	12	1.23	1934	0.198	471.787	0.131	-	6.55E-02	4.368E-02	2.184E-02
Kai Tak Tunnel	KTTW	13	1.23	1866	0.198	454.951	0.126	-	6.32E-02	4.213E-02	2.106E-02
Kai Tak Tunnel	KTTW	14	1.23	1800	0.200	443.290	0.123	-	6.16E-02	4.105E-02	2.052E-02
Kai Tak Tunnel	KTTW	15	1.23	2079	0.203	519.417	0.144	-	7.21E-02	4.809E-02	2.405E-02
Kai Tak Tunnel	KTTW	16	1.23	1999	0.202	497.024	0.138	-	6.90E-02	4.602E-02	2.301E-02
Kai Tak Tunnel	KTTW	17	1.23	1918	0.201	473.527	0.132	-	6.58E-02	4.385E-02	2.192E-02
Kai Tak Tunnel	KTTW	18	1.23	1839	0.200	452.201	0.126	-	6.28E-02	4.187E-02	2.094E-02
Kai Tak Tunnel	KTTW	19	1.23	2047	0.199	501.743	0.139	-	6.97E-02	4.646E-02	2.323E-02
Kai Tak Tunnel	KTTW	20	1.23	1510	0.198	368.018	0.102	-	5.11E-02	3.408E-02	1.704E-02
Kai Tak Tunnel	KTTW	21	1.23	1246	0.192	294.117	0.082	-	4.08E-02	2.723E-02	1.362E-02
Kai Tak Tunnel	KTTW	22	1.23	1287	0.193	305.837	0.085	-	4.25E-02	2.832E-02	1.416E-02
Kai Tak Tunnel	KTTW	23	1.23	992	0.193	234.914	0.065	-	3.26E-02	2.175E-02	1.088E-02
Kai Tak Tunnel	KTTW	24	1.23	1020	0.193	241.765	0.067	-	3.36E-02	2.239E-02	1.119E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	4.26E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	4.33E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	2.18E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	2.23E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	2.25E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	4.56E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	6.96E-02	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	1.18E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	1.75E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	1.43E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	1.14E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	1.14E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	1.12E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	1.11E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	1.34E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	1.31E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	1.28E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	1.26E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	1.44E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.03E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	8.09E-02	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	8.24E-02	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	6.25E-02	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	6.31E-02	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	247	0.168	5.187	0.001	-	1.44E-03	9.606E-04	4.803E-04
D2 Landscape Deck	D2ENB	2	0.125	242	0.169	5.103	0.001	-	1.42E-03	9.449E-04	4.725E-04
D2 Landscape Deck	D2ENB	3	0.125	117	0.166	2.429	0.001	-	6.75E-04	4.497E-04	2.249E-04
D2 Landscape Deck	D2ENB	4	0.125	115	0.166	2.383	0.001	-	6.62E-04	4.412E-04	2.206E-04
D2 Landscape Deck	D2ENB	5	0.125	114	0.168	2.387	0.001	-	6.63E-04	4.421E-04	2.210E-04
D2 Landscape Deck	D2ENB	6	0.125	225	0.174	4.900	0.001	-	1.36E-03	9.075E-04	4.537E-04
D2 Landscape Deck	D2ENB	7	0.125	329	0.175	7.189	0.002	-	2.00E-03	1.331E-03	6.656E-04
D2 Landscape Deck	D2ENB	8	0.125	537	0.176	11.817	0.003	-	3.28E-03	2.188E-03	1.094E-03
D2 Landscape Deck	D2ENB	9	0.125	737	0.176	16.235	0.005	-	4.51E-03	3.006E-03	1.503E-03
D2 Landscape Deck	D2ENB	10	0.125	654	0.174	14.256	0.004	-	3.96E-03	2.640E-03	1.320E-03
D2 Landscape Deck	D2ENB	11	0.125	559	0.173	12.099	0.003	-	3.36E-03	2.241E-03	1.120E-03
D2 Landscape Deck	D2ENB	12	0.125	575	0.172	12.346	0.003	-	3.43E-03	2.286E-03	1.143E-03
D2 Landscape Deck	D2ENB	13	0.125	591	0.171	12.632	0.004	-	3.51E-03	2.339E-03	1.170E-03
D2 Landscape Deck	D2ENB	14	0.125	607	0.170	12.882	0.004	-	3.58E-03	2.386E-03	1.193E-03
D2 Landscape Deck	D2ENB	15	0.125	745	0.169	15.734	0.004	-	4.37E-03	2.914E-03	1.457E-03
D2 Landscape Deck	D2ENB	16	0.125	765	0.168	16.044	0.004	-	4.46E-03	2.971E-03	1.486E-03
D2 Landscape Deck	D2ENB	17	0.125	783	0.165	16.125	0.004	-	4.48E-03	2.986E-03	1.493E-03
D2 Landscape Deck	D2ENB	18	0.125	802	0.164	16.400	0.005	-	4.56E-03	3.037E-03	1.519E-03
D2 Landscape Deck	D2ENB	19	0.125	953	0.160	19.038	0.005	-	5.29E-03	3.526E-03	1.763E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	672	0.161	13.490	0.004	-	3.75E-03	2.498E-03	1.249E-03
D2 Landscape Deck	D2ENB	21	0.125	529	0.164	10.820	0.003	-	3.01E-03	2.004E-03	1.002E-03
D2 Landscape Deck	D2ENB	22	0.125	521	0.164	10.705	0.003	-	2.97E-03	1.982E-03	9.912E-04
D2 Landscape Deck	D2ENB	23	0.125	380	0.159	7.536	0.002	-	2.09E-03	1.396E-03	6.978E-04
D2 Landscape Deck	D2ENB	24	0.125	373	0.159	7.392	0.002	-	2.05E-03	1.369E-03	6.845E-04
D2 Landscape Deck	D2MSB	1	0.125	272	0.163	5.558	0.002	-	1.54E-03	1.029E-03	5.146E-04
D2 Landscape Deck	D2MSB	2	0.125	280	0.164	5.739	0.002	-	1.59E-03	1.063E-03	5.314E-04
D2 Landscape Deck	D2MSB	3	0.125	144	0.164	2.960	0.001	-	8.22E-04	5.482E-04	2.741E-04
D2 Landscape Deck	D2MSB	4	0.125	148	0.165	3.044	0.001	-	8.45E-04	5.636E-04	2.818E-04
D2 Landscape Deck	D2MSB	5	0.125	152	0.165	3.140	0.001	-	8.72E-04	5.816E-04	2.908E-04
D2 Landscape Deck	D2MSB	6	0.125	319	0.173	6.886	0.002	-	1.91E-03	1.275E-03	6.376E-04
D2 Landscape Deck	D2MSB	7	0.125	493	0.172	10.618	0.003	-	2.95E-03	1.966E-03	9.832E-04
D2 Landscape Deck	D2MSB	8	0.125	844	0.173	18.278	0.005	-	5.08E-03	3.385E-03	1.692E-03
D2 Landscape Deck	D2MSB	9	0.125	1215	0.174	26.466	0.007	-	7.35E-03	4.901E-03	2.451E-03
D2 Landscape Deck	D2MSB	10	0.125	1003	0.172	21.594	0.006	-	6.00E-03	3.999E-03	1.999E-03
D2 Landscape Deck	D2MSB	11	0.125	801	0.171	17.094	0.005	-	4.75E-03	3.166E-03	1.583E-03
D2 Landscape Deck	D2MSB	12	0.125	770	0.171	16.443	0.005	-	4.57E-03	3.045E-03	1.522E-03
D2 Landscape Deck	D2MSB	13	0.125	736	0.169	15.568	0.004	-	4.32E-03	2.883E-03	1.441E-03
D2 Landscape Deck	D2MSB	14	0.125	704	0.169	14.838	0.004	-	4.12E-03	2.748E-03	1.374E-03
D2 Landscape Deck	D2MSB	15	0.125	806	0.167	16.859	0.005	-	4.68E-03	3.122E-03	1.561E-03
D2 Landscape Deck	D2MSB	16	0.125	765	0.165	15.734	0.004	-	4.37E-03	2.914E-03	1.457E-03
D2 Landscape Deck	D2MSB	17	0.125	728	0.163	14.816	0.004	-	4.12E-03	2.744E-03	1.372E-03
D2 Landscape Deck	D2MSB	18	0.125	687	0.159	13.675	0.004	-	3.80E-03	2.532E-03	1.266E-03
D2 Landscape Deck	D2MSB	19	0.125	750	0.155	14.584	0.004	-	4.05E-03	2.701E-03	1.350E-03
D2 Landscape Deck	D2MSB	20	0.125	560	0.157	10.968	0.003	-	3.05E-03	2.031E-03	1.016E-03
D2 Landscape Deck	D2MSB	21	0.125	469	0.160	9.403	0.003	-	2.61E-03	1.741E-03	8.707E-04
D2 Landscape Deck	D2MSB	22	0.125	488	0.162	9.872	0.003	-	2.74E-03	1.828E-03	9.141E-04
D2 Landscape Deck	D2MSB	23	0.125	374	0.154	7.220	0.002	-	2.01E-03	1.337E-03	6.685E-04
D2 Landscape Deck	D2MSB	24	0.125	388	0.158	7.666	0.002	-	2.13E-03	1.420E-03	7.098E-04
D2 Landscape Deck	D2MNB	1	0.0374	265	0.162	1.601	0.000	-	4.45E-04	2.966E-04	1.483E-04
D2 Landscape Deck	D2MNB	2	0.0374	259	0.164	1.587	0.000	-	4.41E-04	2.939E-04	1.470E-04
D2 Landscape Deck	D2MNB	3	0.0374	125	0.162	0.760	0.000	-	2.11E-04	1.407E-04	7.033E-05
D2 Landscape Deck	D2MNB	4	0.0374	122	0.166	0.757	0.000	-	2.10E-04	1.401E-04	7.006E-05
D2 Landscape Deck	D2MNB	5	0.0374	118	0.166	0.733	0.000	-	2.03E-04	1.357E-04	6.783E-05
D2 Landscape Deck	D2MNB	6	0.0374	232	0.171	1.481	0.000	-	4.12E-04	2.743E-04	1.372E-04
D2 Landscape Deck	D2MNB	7	0.0374	336	0.172	2.164	0.001	-	6.01E-04	4.007E-04	2.004E-04
D2 Landscape Deck	D2MNB	8	0.0374	542	0.175	3.547	0.001	-	9.85E-04	6.568E-04	3.284E-04
D2 Landscape Deck	D2MNB	9	0.0374	734	0.175	4.792	0.001	-	1.33E-03	8.875E-04	4.437E-04
D2 Landscape Deck	D2MNB	10	0.0374	659	0.172	4.248	0.001	-	1.18E-03	7.867E-04	3.933E-04
D2 Landscape Deck	D2MNB	11	0.0374	574	0.170	3.647	0.001	-	1.01E-03	6.753E-04	3.377E-04
D2 Landscape Deck	D2MNB	12	0.0374	597	0.168	3.746	0.001	-	1.04E-03	6.938E-04	3.469E-04
D2 Landscape Deck	D2MNB	13	0.0374	621	0.166	3.865	0.001	-	1.07E-03	7.158E-04	3.579E-04
D2 Landscape Deck	D2MNB	14	0.0374	646	0.165	3.975	0.001	-	1.10E-03	7.360E-04	3.680E-04
D2 Landscape Deck	D2MNB	15	0.0374	805	0.163	4.908	0.001	-	1.36E-03	9.089E-04	4.544E-04
D2 Landscape Deck	D2MNB	16	0.0374	833	0.161	5.017	0.001	-	1.39E-03	9.291E-04	4.646E-04
D2 Landscape Deck	D2MNB	17	0.0374	864	0.159	5.129	0.001	-	1.42E-03	9.499E-04	4.749E-04
D2 Landscape Deck	D2MNB	18	0.0374	892	0.157	5.235	0.001	-	1.45E-03	9.695E-04	4.847E-04
D2 Landscape Deck	D2MNB	19	0.0374	1074	0.156	6.252	0.002	-	1.74E-03	1.158E-03	5.789E-04
D2 Landscape Deck	D2MNB	20	0.0374	749	0.156	4.383	0.001	-	1.22E-03	8.117E-04	4.059E-04
D2 Landscape Deck	D2MNB	21	0.0374	585	0.156	3.409	0.001	-	9.47E-04	6.314E-04	3.157E-04
D2 Landscape Deck	D2MNB	22	0.0374	571	0.157	3.348	0.001	-	9.30E-04	6.201E-04	3.100E-04
D2 Landscape Deck	D2MNB	23	0.0374	414	0.155	2.401	0.001	-	6.67E-04	4.446E-04	2.223E-04
D2 Landscape Deck	D2MNB	24	0.0374	403	0.157	2.363	0.001	-	6.56E-04	4.376E-04	2.188E-04
D2 Landscape Deck	D2WSB	1	0.0374	282	0.165	1.744	0.000	-	4.85E-04	3.230E-04	1.615E-04
D2 Landscape Deck	D2WSB	2	0.0374	289	0.165	1.786	0.000	-	4.96E-04	3.308E-04	1.654E-04
D2 Landscape Deck	D2WSB	3	0.0374	148	0.165	0.912	0.000	-	2.53E-04	1.688E-04	8.442E-05
D2 Landscape Deck	D2WSB	4	0.0374	154	0.167	0.961	0.000	-	2.67E-04	1.780E-04	8.902E-05
D2 Landscape Deck	D2WSB	5	0.0374	159	0.170	1.012	0.000	-	2.81E-04	1.874E-04	9.368E-05
D2 Landscape Deck	D2WSB	6	0.0374	323	0.172	2.083	0.001	-	5.79E-04	3.857E-04	1.929E-04
D2 Landscape Deck	D2WSB	7	0.0374	499	0.172	3.217	0.001	-	8.94E-04	5.957E-04	2.978E-04
D2 Landscape Deck	D2WSB	8	0.0374	852	0.174	5.552	0.002	-	1.54E-03	1.028E-03	5.141E-04
D2 Landscape Deck	D2WSB	9	0.0374	1221	0.174	7.947	0.002	-	2.21E-03	1.472E-03	7.358E-04
D2 Landscape Deck	D2WSB	10	0.0374	1012	0.172	6.511	0.002	-	1.81E-03	1.206E-03	6.028E-04
D2 Landscape Deck	D2WSB	11	0.0374	815	0.171	5.223	0.001	-	1.45E-03	9.672E-04	4.836E-04
D2 Landscape Deck	D2WSB	12	0.0374	787	0.171	5.031	0.001	-	1.40E-03	9.316E-04	4.658E-04
D2 Landscape Deck	D2WSB	13	0.0374	755	0.170	4.791	0.001	-	1.33E-03	8.872E-04	4.436E-04
D2 Landscape Deck	D2WSB	14	0.0374	728	0.169	4.605	0.001	-	1.28E-03	8.527E-04	4.264E-04
D2 Landscape Deck	D2WSB	15	0.0374	837	0.169	5.282	0.001	-	1.47E-03	9.782E-04	4.891E-04
D2 Landscape Deck	D2WSB	16	0.0374	802	0.166	4.980	0.001	-	1.38E-03	9.223E-04	4.611E-04
D2 Landscape Deck	D2WSB	17	0.0374	767	0.164	4.693	0.001	-	1.30E-03	8.691E-04	4.345E-04
D2 Landscape Deck	D2WSB	18	0.0374	731	0.162	4.431	0.001	-	1.23E-03	8.206E-04	4.103E-04
D2 Landscape Deck	D2WSB	19	0.0374	810	0.159	4.813	0.001	-	1.34E-03	8.914E-04	4.457E-04
D2 Landscape Deck	D2WSB	20	0.0374	598	0.160	3.573	0.001	-	9.93E-04	6.617E-04	3.309E-04
D2 Landscape Deck	D2WSB	21	0.0374	498	0.163	3.033	0.001	-	8.43E-04	5.617E-04	2.809E-04
D2 Landscape Deck	D2WSB	22	0.0374	512	0.163	3.118	0.001	-	8.66E-04	5.775E-04	2.887E-04
D2 Landscape Deck	D2WSB	23	0.0374	395	0.163	2.413	0.001	-	6.70E-04	4.469E-04	2.235E-04
D2 Landscape Deck	D2WSB	24	0.0374	407	0.163	2.476	0.001	-	6.88E-04	4.586E-04	2.293E-04
CKR Slip Road	S3SB	1	0.103	345	0.188	6.685	0.002	-	1.86E-03	1.238E-03	6.190E-04
CKR Slip Road	S3SB	2	0.103	352	0.187	6.768	0.002	-	1.88E-03	1.253E-03	6.266E-04
CKR Slip Road	S3SB	3	0.103	180	0.185	3.439	0.001	-	9.55E-04	6.368E-04	3.184E-04
CKR Slip Road	S3SB	4	0.103	184	0.184	3.481	0.001	-	9.67E-04	6.446E-04	3.223E-04
CKR Slip Road	S3SB	5	0.103	188	0.184	3.553	0.001	-	9.87E-04	6.580E-04	3.290E-04
CKR Slip Road	S3SB	6	0.103	380	0.184	7.212	0.002	-	2.00E-03	1.335E-03	6.677E-04
CKR Slip Road	S3SB	7	0.103	580	0.183	10.920	0.003	-	3.03E-03	2.022E-03	1.011E-03
CKR Slip Road	S3SB	8	0.103	984	0.183	18.517	0.005	-	5.14E-03	3.429E-03	1.715E-03
CKR Slip Road	S3SB	9	0.103	1399	0.190	27.355	0.008	-	7.60E-03	5.066E-03	2.533E-03
CKR Slip Road	S3SB	10	0.103	1171	0.186	22.421	0.006	-	6.23E-03	4.152E-03	2.076E-03
CKR Slip Road	S3SB	11	0.103	952	0.183	17.980	0.005	-	4.99E-03	3.330E-03	1.665E-03
CKR Slip Road	S3SB	12	0.103	928	0.186	17.786	0.005	-	4.94E-03	3.294E-03	1.647E-03
CKR Slip Road	S3SB	13	0.103	905	0.189	17.614	0.005	-	4.89E-03	3.262E-03	1.631E-03
CKR Slip Road	S3SB	14	0.103	881	0.192	17.419	0.005	-	4.84E-03	3.226E-03	1.613E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	1028	0.197	20.888	0.006	-	5.80E-03	3.868E-03	1.934E-03
CKR Slip Road	S3SB	16	0.103	1001	0.199	20.469	0.006	-	5.69E-03	3.791E-03	1.895E-03
CKR Slip Road	S3SB	17	0.103	971	0.200	20.047	0.006	-	5.57E-03	3.712E-03	1.856E-03
CKR Slip Road	S3SB	18	0.103	941	0.202	19.606	0.005	-	5.45E-03	3.631E-03	1.815E-03
CKR Slip Road	S3SB	19	0.103	1066	0.205	22.531	0.006	-	6.26E-03	4.172E-03	2.086E-03
CKR Slip Road	S3SB	20	0.103	779	0.201	16.161	0.004	-	4.49E-03	2.993E-03	1.496E-03
CKR Slip Road	S3SB	21	0.103	634	0.193	12.621	0.004	-	3.51E-03	2.337E-03	1.169E-03
CKR Slip Road	S3SB	22	0.103	649	0.192	12.830	0.004	-	3.56E-03	2.376E-03	1.188E-03
CKR Slip Road	S3SB	23	0.103	497	0.191	9.767	0.003	-	2.71E-03	1.809E-03	9.043E-04
CKR Slip Road	S3SB	24	0.103	507	0.189	9.877	0.003	-	2.74E-03	1.829E-03	9.146E-04
CKR Landscape Deck	CKRLDSWB	1	0.195	1346	0.170	44.521	0.012	-	1.24E-02	8.245E-03	4.122E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1348	0.171	44.857	0.012	-	1.25E-02	8.307E-03	4.153E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	675	0.172	22.603	0.006	-	6.28E-03	4.186E-03	2.093E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	676	0.172	22.723	0.006	-	6.31E-03	4.208E-03	2.104E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	678	0.173	22.906	0.006	-	6.36E-03	4.242E-03	2.121E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1356	0.175	46.154	0.013	-	1.28E-02	8.547E-03	4.274E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	2034	0.175	69.582	0.019	-	1.93E-02	1.289E-02	6.443E-03
CKR Landscape Deck	CKRLDSWB	8	0.195	3398	0.179	118.578	0.033	-	3.29E-02	2.196E-02	1.098E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	4761	0.200	185.389	0.051	-	5.15E-02	3.433E-02	1.717E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	4076	0.191	151.736	0.042	-	4.21E-02	2.810E-02	1.405E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	3391	0.176	116.707	0.032	-	3.24E-02	2.161E-02	1.081E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	3386	0.176	116.182	0.032	-	3.23E-02	2.152E-02	1.076E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	3378	0.175	115.457	0.032	-	3.21E-02	2.138E-02	1.069E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	3374	0.174	114.674	0.032	-	3.19E-02	2.124E-02	1.062E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	4040	0.186	146.674	0.041	-	4.07E-02	2.716E-02	1.358E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	4034	0.185	145.227	0.040	-	4.03E-02	2.689E-02	1.345E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	4025	0.182	142.915	0.040	-	3.97E-02	2.647E-02	1.323E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	4019	0.181	141.703	0.039	-	3.94E-02	2.624E-02	1.312E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	4678	0.183	166.836	0.046	-	4.63E-02	3.090E-02	1.545E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	3346	0.170	110.956	0.031	-	3.08E-02	2.055E-02	1.027E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2681	0.168	87.992	0.024	-	2.44E-02	1.629E-02	8.147E-03
CKR Landscape Deck	CKRLDSWB	22	0.195	2684	0.169	88.580	0.025	-	2.46E-02	1.640E-02	8.202E-03
CKR Landscape Deck	CKRLDSWB	23	0.195	2012	0.167	65.579	0.018	-	1.82E-02	1.214E-02	6.072E-03
CKR Landscape Deck	CKRLDSWB	24	0.195	2019	0.168	66.346	0.018	-	1.84E-02	1.229E-02	6.143E-03
CKR Landscape Deck	CKRLDNEB	1	0.195	1325	0.165	42.734	0.012	-	1.19E-02	7.914E-03	3.957E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1332	0.165	263.320	0.073	-	7.31E-02	4.876E-02	2.438E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	673	0.166	245.369	0.068	-	6.82E-02	4.544E-02	2.272E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	678	0.166	359.091	0.100	-	9.97E-02	6.650E-02	3.325E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	679	0.166	472.198	0.131	-	1.31E-01	8.744E-02	4.372E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1372	0.167	1192.098	0.331	-	3.31E-01	2.208E-01	1.104E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	2070	0.168	2148.037	0.597	-	5.97E-01	3.978E-01	1.989E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	3478	0.170	4266.109	1.185	-	1.19E+00	7.900E-01	3.950E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	4900	0.189	7594.962	2.110	-	2.11E+00	1.406E+00	7.032E-01
CKR Landscape Deck	CKRLDNEB	10	9.195	4162	0.182	6954.815	1.932	-	1.93E+00	1.288E+00	6.440E-01
CKR Landscape Deck	CKRLDNEB	11	10.195	3434	0.169	5914.403	1.643	-	1.64E+00	1.095E+00	5.476E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	3401	0.169	6440.478	1.789	-	1.79E+00	1.193E+00	5.963E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	3367	0.170	6963.749	1.934	-	1.93E+00	1.290E+00	6.448E-01
CKR Landscape Deck	CKRLDNEB	14	13.195	3332	0.169	7444.190	2.068	-	2.07E+00	1.379E+00	6.893E-01
CKR Landscape Deck	CKRLDNEB	15	14.195	3959	0.182	10209.588	2.836	-	2.84E+00	1.891E+00	9.453E-01
CKR Landscape Deck	CKRLDNEB	16	15.195	3917	0.181	10768.792	2.991	-	2.99E+00	1.994E+00	9.971E-01
CKR Landscape Deck	CKRLDNEB	17	16.195	3876	0.180	11268.427	3.130	-	3.13E+00	2.087E+00	1.043E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3838	0.179	11826.004	3.285	-	3.29E+00	2.190E+00	1.095E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	4428	0.182	14667.790	4.074	-	4.07E+00	2.716E+00	1.358E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	3185	0.169	10312.348	2.865	-	2.86E+00	1.910E+00	9.548E-01
CKR Landscape Deck	CKRLDNEB	21	20.195	2571	0.167	8646.367	2.402	-	2.40E+00	1.601E+00	8.006E-01
CKR Landscape Deck	CKRLDNEB	22	21.195	2588	0.167	9143.994	2.540	-	2.54E+00	1.693E+00	8.467E-01
CKR Landscape Deck	CKRLDNEB	23	22.195	1952	0.165	7129.410	1.980	-	1.98E+00	1.320E+00	6.601E-01
CKR Landscape Deck	CKRLDNEB	24	23.195	1972	0.165	7532.671	2.092	-	2.09E+00	1.395E+00	6.975E-01

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1325	0.165	438.302	0.122	0.084	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1332	0.165	440.703	0.122	0.085	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	673	0.166	223.571	0.062	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	678	0.166	224.783	0.062	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	679	0.166	225.124	0.063	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1372	0.167	458.941	0.127	0.088	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	2070	0.168	693.474	0.193	0.133	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	3478	0.170	1185.854	0.329	0.232	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	4900	0.189	1853.560	0.515	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	4162	0.182	1512.738	0.420	0.298	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	3434	0.169	1160.256	0.322	0.226	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	3401	0.169	1150.599	0.320	0.225	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	3367	0.170	1142.066	0.317	0.223	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	3332	0.169	1128.335	0.313	0.221	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3959	0.182	1438.477	0.400	0.281	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3917	0.181	1417.413	0.394	0.276	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3876	0.180	1391.593	0.387	0.271	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3838	0.179	1375.517	0.382	0.271	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	4428	0.182	1612.288	0.448	0.318	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	3185	0.169	1074.483	0.298	0.209	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2571	0.167	856.288	0.238	0.165	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2588	0.167	862.844	0.240	0.166	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1952	0.165	642.434	0.178	0.124	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1972	0.165	649.508	0.180	0.124	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1325	0.165	383.515	0.107	-	0.191	0.172	0.019	0.013	0.006
CKR Tunnel	CKRTEEB	2	1.75	1332	0.165	385.615	0.107	-	0.192	0.172	0.019	0.013	0.006
CKR Tunnel	CKRTEEB	3	1.75	673	0.166	195.624	0.054	-	0.097	0.087	0.010	0.006	0.003
CKR Tunnel	CKRTEEB	4	1.75	678	0.166	196.685	0.055	-	0.098	0.088	0.010	0.007	0.003
CKR Tunnel	CKRTEEB	5	1.75	679	0.166	196.984	0.055	-	0.098	0.088	0.010	0.007	0.003
CKR Tunnel	CKRTEEB	6	1.75	1372	0.167	401.573	0.112	-	0.199	0.179	0.020	0.013	0.007
CKR Tunnel	CKRTEEB	7	1.75	2070	0.168	606.790	0.169	-	0.302	0.271	0.030	0.020	0.010
CKR Tunnel	CKRTEEB	8	1.75	3478	0.170	1037.622	0.288	-	0.520	0.468	0.052	0.035	0.017
CKR Tunnel	CKRTEEB	9	1.75	4900	0.189	1621.865	0.451	-	0.816	0.734	0.082	0.054	0.027
CKR Tunnel	CKRTEEB	10	1.75	4162	0.182	1323.646	0.368	-	0.666	0.599	0.067	0.044	0.022
CKR Tunnel	CKRTEEB	11	1.75	3434	0.169	1015.224	0.282	-	0.508	0.457	0.051	0.034	0.017
CKR Tunnel	CKRTEEB	12	1.75	3401	0.169	1006.774	0.280	-	0.505	0.454	0.050	0.034	0.017
CKR Tunnel	CKRTEEB	13	1.75	3367	0.170	999.308	0.278	-	0.501	0.451	0.050	0.033	0.017
CKR Tunnel	CKRTEEB	14	1.75	3332	0.169	987.293	0.274	-	0.495	0.445	0.049	0.033	0.016
CKR Tunnel	CKRTEEB	15	1.75	3959	0.182	1258.667	0.350	-	0.631	0.568	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	16	1.75	3917	0.181	1240.236	0.345	-	0.621	0.559	0.062	0.041	0.021
CKR Tunnel	CKRTEEB	17	1.75	3876	0.180	1217.644	0.338	-	0.609	0.548	0.061	0.041	0.020
CKR Tunnel	CKRTEEB	18	1.75	3838	0.179	1203.577	0.334	-	0.606	0.545	0.061	0.040	0.020
CKR Tunnel	CKRTEEB	19	1.75	4428	0.182	1410.752	0.392	-	0.710	0.639	0.071	0.047	0.024
CKR Tunnel	CKRTEEB	20	1.75	3185	0.169	940.172	0.261	-	0.470	0.423	0.047	0.031	0.016
CKR Tunnel	CKRTEEB	21	1.75	2571	0.167	749.252	0.208	-	0.373	0.335	0.037	0.025	0.012
CKR Tunnel	CKRTEEB	22	1.75	2588	0.167	754.989	0.210	-	0.376	0.338	0.038	0.025	0.013
CKR Tunnel	CKRTEEB	23	1.75	1952	0.165	562.130	0.156	-	0.280	0.252	0.028	0.019	0.009
CKR Tunnel	CKRTEEB	24	1.75	1972	0.165	568.320	0.158	-	0.282	0.254	0.028	0.019	0.009
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.172	-	0.161	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.172	-	0.162	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.087	-	0.082	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.088	-	0.083	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.088	-	0.083	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.179	-	0.169	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.271	-	0.255	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.468	-	0.440	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.734	-	0.690	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.599	-	0.563	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.457	-	0.430	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.454	-	0.427	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.451	-	0.424	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.445	-	0.419	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.568	-	0.534	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.559	-	0.525	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.548	-	0.515	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.545	-	0.512	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.639	-	0.601	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.423	-	0.398	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.335	-	0.315	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.338	-	0.318	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.252	-	0.237	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.254	-	0.239	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	652	0.175	140.645	0.039	-	1.95E-02	1.302E-02	6.511E-03
Kai Tak Tunnel	KTTE	2	1.23	644	0.176	139.612	0.039	-	1.94E-02	1.292E-02	6.464E-03
Kai Tak Tunnel	KTTE	3	1.23	320	0.176	69.366	0.019	-	9.63E-03	6.423E-03	3.211E-03
Kai Tak Tunnel	KTTE	4	1.23	317	0.177	68.921	0.019	-	9.57E-03	6.382E-03	3.191E-03
Kai Tak Tunnel	KTTE	5	1.23	311	0.178	68.041	0.019	-	9.45E-03	6.300E-03	3.150E-03
Kai Tak Tunnel	KTTE	6	1.23	616	0.180	136.398	0.038	-	1.89E-02	1.263E-02	6.315E-03
Kai Tak Tunnel	KTTE	7	1.23	913	0.181	203.196	0.056	-	2.82E-02	1.881E-02	9.407E-03
Kai Tak Tunnel	KTTE	8	1.23	1500	0.182	335.838	0.093	-	4.66E-02	3.110E-02	1.555E-02
Kai Tak Tunnel	KTTE	9	1.23	2075	0.191	487.600	0.135	-	6.77E-02	4.515E-02	2.257E-02
Kai Tak Tunnel	KTTE	10	1.23	1811	0.185	412.777	0.115	-	5.73E-02	3.822E-02	1.911E-02
Kai Tak Tunnel	KTTE	11	1.23	1534	0.179	337.931	0.094	-	4.69E-02	3.129E-02	1.564E-02
Kai Tak Tunnel	KTTE	12	1.23	1562	0.180	346.254	0.096	-	4.81E-02	3.206E-02	1.603E-02
Kai Tak Tunnel	KTTE	13	1.23	1585	0.179	349.369	0.097	-	4.85E-02	3.235E-02	1.617E-02
Kai Tak Tunnel	KTTE	14	1.23	1612	0.181	357.993	0.099	-	4.97E-02	3.315E-02	1.657E-02
Kai Tak Tunnel	KTTE	15	1.23	1967	0.183	443.239	0.123	-	6.16E-02	4.104E-02	2.052E-02
Kai Tak Tunnel	KTTE	16	1.23	1999	0.182	446.809	0.124	-	6.21E-02	4.137E-02	2.069E-02
Kai Tak Tunnel	KTTE	17	1.23	2030	0.180	448.799	0.125	-	6.23E-02	4.156E-02	2.078E-02
Kai Tak Tunnel	KTTE	18	1.23	2060	0.178	452.261	0.126	-	6.28E-02	4.188E-02	2.094E-02
Kai Tak Tunnel	KTTE	19	1.23	2441	0.178	535.568	0.149	-	7.44E-02	4.959E-02	2.479E-02
Kai Tak Tunnel	KTTE	20	1.23	1725	0.178	376.783	0.105	-	5.23E-02	3.489E-02	1.744E-02
Kai Tak Tunnel	KTTE	21	1.23	1364	0.172	288.573	0.080	-	4.01E-02	2.672E-02	1.336E-02
Kai Tak Tunnel	KTTE	22	1.23	1350	0.173	287.180	0.080	-	3.99E-02	2.659E-02	1.330E-02
Kai Tak Tunnel	KTTE	23	1.23	1002	0.174	215.055	0.060	-	2.99E-02	1.991E-02	9.956E-03
Kai Tak Tunnel	KTTE	24	1.23	991	0.175	212.746	0.059	-	2.95E-02	1.970E-02	9.849E-03
Kai Tak Tunnel	KTTW	1	1.23	699	0.193	166.326	0.046	-	2.31E-02	1.540E-02	7.700E-03
Kai Tak Tunnel	KTTW	2	1.23	720	0.195	172.472	0.048	-	2.40E-02	1.597E-02	7.985E-03
Kai Tak Tunnel	KTTW	3	1.23	368	0.193	87.502	0.024	-	1.22E-02	8.102E-03	4.051E-03
Kai Tak Tunnel	KTTW	4	1.23	379	0.196	91.375	0.025	-	1.27E-02	8.461E-03	4.230E-03
Kai Tak Tunnel	KTTW	5	1.23	388	0.197	94.043	0.026	-	1.31E-02	8.708E-03	4.354E-03
Kai Tak Tunnel	KTTW	6	1.23	795	0.196	191.669	0.053	-	2.66E-02	1.775E-02	8.874E-03
Kai Tak Tunnel	KTTW	7	1.23	1223	0.198	298.040	0.083	-	4.14E-02	2.760E-02	1.380E-02
Kai Tak Tunnel	KTTW	8	1.23	2089	0.199	511.558	0.142	-	7.10E-02	4.737E-02	2.368E-02
Kai Tak Tunnel	KTTW	9	1.23	2993	0.209	769.596	0.214	-	1.07E-01	7.126E-02	3.563E-02
Kai Tak Tunnel	KTTW	10	1.23	2484	0.203	619.927	0.172	-	8.61E-02	5.740E-02	2.870E-02
Kai Tak Tunnel	KTTW	11	1.23	2003	0.197	485.755	0.135	-	6.75E-02	4.498E-02	2.249E-02
Kai Tak Tunnel	KTTW	12	1.23	1934	0.198	471.787	0.131	-	6.55E-02	4.368E-02	2.184E-02
Kai Tak Tunnel	KTTW	13	1.23	1866	0.198	454.951	0.126	-	6.32E-02	4.213E-02	2.106E-02
Kai Tak Tunnel	KTTW	14	1.23	1800	0.200	443.290	0.123	-	6.16E-02	4.105E-02	2.052E-02
Kai Tak Tunnel	KTTW	15	1.23	2079	0.203	519.417	0.144	-	7.21E-02	4.809E-02	2.405E-02
Kai Tak Tunnel	KTTW	16	1.23	1999	0.202	497.024	0.138	-	6.90E-02	4.602E-02	2.301E-02
Kai Tak Tunnel	KTTW	17	1.23	1918	0.201	473.527	0.132	-	6.58E-02	4.385E-02	2.192E-02
Kai Tak Tunnel	KTTW	18	1.23	1839	0.200	452.201	0.126	-	6.28E-02	4.187E-02	2.094E-02
Kai Tak Tunnel	KTTW	19	1.23	2047	0.199	501.929	0.139	-	6.97E-02	4.647E-02	2.324E-02
Kai Tak Tunnel	KTTW	20	1.23	1510	0.198	368.233	0.102	-	5.11E-02	3.410E-02	1.705E-02
Kai Tak Tunnel	KTTW	21	1.23	1246	0.192	294.117	0.082	-	4.08E-02	2.723E-02	1.362E-02
Kai Tak Tunnel	KTTW	22	1.23	1287	0.193	305.837	0.085	-	4.25E-02	2.832E-02	1.416E-02
Kai Tak Tunnel	KTTW	23	1.23	992	0.193	235.218	0.065	-	3.27E-02	2.178E-02	1.089E-02
Kai Tak Tunnel	KTTW	24	1.23	1020	0.193	242.085	0.067	-	3.36E-02	2.242E-02	1.121E-02
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	4.26E-02	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	4.33E-02	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	2.18E-02	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	2.23E-02	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	2.25E-02	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	4.56E-02	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	6.96E-02	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	1.18E-01	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	1.75E-01	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	1.43E-01	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	1.14E-01	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	1.14E-01	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	1.12E-01	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	1.11E-01	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	1.34E-01	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	1.31E-01	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	1.28E-01	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	1.26E-01	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	1.44E-01	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	1.03E-01	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	8.09E-02	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	8.24E-02	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	6.25E-02	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	6.32E-02	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	247	0.168	5.187	0.001	-	1.44E-03	9.606E-04	4.803E-04
D2 Landscape Deck	D2ENB	2	0.125	242	0.169	5.103	0.001	-	1.42E-03	9.449E-04	4.725E-04
D2 Landscape Deck	D2ENB	3	0.125	117	0.166	2.429	0.001	-	6.75E-04	4.497E-04	2.249E-04
D2 Landscape Deck	D2ENB	4	0.125	115	0.166	2.383	0.001	-	6.62E-04	4.412E-04	2.206E-04
D2 Landscape Deck	D2ENB	5	0.125	114	0.168	2.387	0.001	-	6.63E-04	4.421E-04	2.210E-04
D2 Landscape Deck	D2ENB	6	0.125	225	0.174	4.900	0.001	-	1.36E-03	9.075E-04	4.537E-04
D2 Landscape Deck	D2ENB	7	0.125	329	0.175	7.189	0.002	-	2.00E-03	1.331E-03	6.656E-04
D2 Landscape Deck	D2ENB	8	0.125	537	0.176	11.817	0.003	-	3.28E-03	2.188E-03	1.094E-03
D2 Landscape Deck	D2ENB	9	0.125	737	0.176	16.235	0.005	-	4.51E-03	3.006E-03	1.503E-03
D2 Landscape Deck	D2ENB	10	0.125	654	0.174	14.256	0.004	-	3.96E-03	2.640E-03	1.320E-03
D2 Landscape Deck	D2ENB	11	0.125	559	0.173	12.099	0.003	-	3.36E-03	2.241E-03	1.120E-03
D2 Landscape Deck	D2ENB	12	0.125	575	0.172	12.346	0.003	-	3.43E-03	2.286E-03	1.143E-03
D2 Landscape Deck	D2ENB	13	0.125	591	0.171	12.632	0.004	-	3.51E-03	2.339E-03	1.170E-03
D2 Landscape Deck	D2ENB	14	0.125	607	0.170	12.882	0.004	-	3.58E-03	2.386E-03	1.193E-03
D2 Landscape Deck	D2ENB	15	0.125	745	0.169	15.734	0.004	-	4.37E-03	2.914E-03	1.457E-03
D2 Landscape Deck	D2ENB	16	0.125	765	0.168	16.044	0.004	-	4.46E-03	2.971E-03	1.486E-03
D2 Landscape Deck	D2ENB	17	0.125	783	0.165	16.125	0.004	-	4.48E-03	2.986E-03	1.493E-03
D2 Landscape Deck	D2ENB	18	0.125	802	0.164	16.400	0.005	-	4.56E-03	3.037E-03	1.519E-03
D2 Landscape Deck	D2ENB	19	0.125	1259	0.161	25.274	0.007	-	7.02E-03	4.680E-03	2.340E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	978	0.161	19.723	0.005	-	5.48E-03	3.652E-03	1.826E-03
D2 Landscape Deck	D2ENB	21	0.125	529	0.164	10.820	0.003	-	3.01E-03	2.004E-03	1.002E-03
D2 Landscape Deck	D2ENB	22	0.125	521	0.164	10.705	0.003	-	2.97E-03	1.982E-03	9.912E-04
D2 Landscape Deck	D2ENB	23	0.125	574	0.160	11.486	0.003	-	3.19E-03	2.127E-03	1.063E-03
D2 Landscape Deck	D2ENB	24	0.125	567	0.160	11.346	0.003	-	3.15E-03	2.101E-03	1.051E-03
D2 Landscape Deck	D2MSB	1	0.125	272	0.163	5.558	0.002	-	1.54E-03	1.029E-03	5.146E-04
D2 Landscape Deck	D2MSB	2	0.125	280	0.164	5.739	0.002	-	1.59E-03	1.063E-03	5.314E-04
D2 Landscape Deck	D2MSB	3	0.125	144	0.164	2.960	0.001	-	8.22E-04	5.482E-04	2.741E-04
D2 Landscape Deck	D2MSB	4	0.125	148	0.165	3.044	0.001	-	8.45E-04	5.636E-04	2.818E-04
D2 Landscape Deck	D2MSB	5	0.125	152	0.165	3.140	0.001	-	8.72E-04	5.816E-04	2.908E-04
D2 Landscape Deck	D2MSB	6	0.125	319	0.173	6.886	0.002	-	1.91E-03	1.275E-03	6.376E-04
D2 Landscape Deck	D2MSB	7	0.125	493	0.172	10.618	0.003	-	2.95E-03	1.966E-03	9.832E-04
D2 Landscape Deck	D2MSB	8	0.125	844	0.173	18.278	0.005	-	5.08E-03	3.385E-03	1.692E-03
D2 Landscape Deck	D2MSB	9	0.125	1215	0.174	26.466	0.007	-	7.35E-03	4.901E-03	2.451E-03
D2 Landscape Deck	D2MSB	10	0.125	1003	0.172	21.594	0.006	-	6.00E-03	3.999E-03	1.999E-03
D2 Landscape Deck	D2MSB	11	0.125	801	0.171	17.094	0.005	-	4.75E-03	3.166E-03	1.583E-03
D2 Landscape Deck	D2MSB	12	0.125	770	0.171	16.443	0.005	-	4.57E-03	3.045E-03	1.522E-03
D2 Landscape Deck	D2MSB	13	0.125	736	0.169	15.568	0.004	-	4.32E-03	2.883E-03	1.441E-03
D2 Landscape Deck	D2MSB	14	0.125	704	0.169	14.838	0.004	-	4.12E-03	2.748E-03	1.374E-03
D2 Landscape Deck	D2MSB	15	0.125	806	0.167	16.859	0.005	-	4.68E-03	3.122E-03	1.561E-03
D2 Landscape Deck	D2MSB	16	0.125	765	0.165	15.734	0.004	-	4.37E-03	2.914E-03	1.457E-03
D2 Landscape Deck	D2MSB	17	0.125	728	0.163	14.816	0.004	-	4.12E-03	2.744E-03	1.372E-03
D2 Landscape Deck	D2MSB	18	0.125	687	0.159	13.675	0.004	-	3.80E-03	2.532E-03	1.266E-03
D2 Landscape Deck	D2MSB	19	0.125	915	0.156	17.835	0.005	-	4.95E-03	3.303E-03	1.651E-03
D2 Landscape Deck	D2MSB	20	0.125	725	0.157	14.222	0.004	-	3.95E-03	2.634E-03	1.317E-03
D2 Landscape Deck	D2MSB	21	0.125	469	0.160	9.403	0.003	-	2.61E-03	1.741E-03	8.707E-04
D2 Landscape Deck	D2MSB	22	0.125	488	0.162	9.872	0.003	-	2.74E-03	1.828E-03	9.141E-04
D2 Landscape Deck	D2MSB	23	0.125	683	0.156	13.303	0.004	-	3.70E-03	2.463E-03	1.232E-03
D2 Landscape Deck	D2MSB	24	0.125	697	0.158	13.758	0.004	-	3.82E-03	2.548E-03	1.274E-03
D2 Landscape Deck	D2MNB	1	0.0374	265	0.162	1.601	0.000	-	4.45E-04	2.966E-04	1.483E-04
D2 Landscape Deck	D2MNB	2	0.0374	259	0.164	1.587	0.000	-	4.41E-04	2.939E-04	1.470E-04
D2 Landscape Deck	D2MNB	3	0.0374	125	0.162	0.760	0.000	-	2.11E-04	1.407E-04	7.033E-05
D2 Landscape Deck	D2MNB	4	0.0374	122	0.166	0.757	0.000	-	2.10E-04	1.401E-04	7.006E-05
D2 Landscape Deck	D2MNB	5	0.0374	118	0.166	0.733	0.000	-	2.03E-04	1.357E-04	6.783E-05
D2 Landscape Deck	D2MNB	6	0.0374	232	0.171	1.481	0.000	-	4.12E-04	2.743E-04	1.372E-04
D2 Landscape Deck	D2MNB	7	0.0374	336	0.172	2.164	0.001	-	6.01E-04	4.007E-04	2.004E-04
D2 Landscape Deck	D2MNB	8	0.0374	542	0.175	3.547	0.001	-	9.85E-04	6.568E-04	3.284E-04
D2 Landscape Deck	D2MNB	9	0.0374	734	0.175	4.792	0.001	-	1.33E-03	8.875E-04	4.437E-04
D2 Landscape Deck	D2MNB	10	0.0374	659	0.172	4.248	0.001	-	1.18E-03	7.867E-04	3.933E-04
D2 Landscape Deck	D2MNB	11	0.0374	574	0.170	3.647	0.001	-	1.01E-03	6.753E-04	3.377E-04
D2 Landscape Deck	D2MNB	12	0.0374	597	0.168	3.746	0.001	-	1.04E-03	6.938E-04	3.469E-04
D2 Landscape Deck	D2MNB	13	0.0374	621	0.166	3.865	0.001	-	1.07E-03	7.158E-04	3.579E-04
D2 Landscape Deck	D2MNB	14	0.0374	646	0.165	3.975	0.001	-	1.10E-03	7.360E-04	3.680E-04
D2 Landscape Deck	D2MNB	15	0.0374	805	0.163	4.908	0.001	-	1.36E-03	9.089E-04	4.544E-04
D2 Landscape Deck	D2MNB	16	0.0374	833	0.163	5.017	0.001	-	1.39E-03	9.291E-04	4.646E-04
D2 Landscape Deck	D2MNB	17	0.0374	864	0.159	5.129	0.001	-	1.42E-03	9.499E-04	4.749E-04
D2 Landscape Deck	D2MNB	18	0.0374	892	0.157	5.235	0.001	-	1.45E-03	9.695E-04	4.847E-04
D2 Landscape Deck	D2MNB	19	0.0374	1470	0.156	8.557	0.002	-	2.38E-03	1.585E-03	7.924E-04
D2 Landscape Deck	D2MNB	20	0.0374	1145	0.156	6.689	0.002	-	1.86E-03	1.239E-03	6.193E-04
D2 Landscape Deck	D2MNB	21	0.0374	585	0.156	3.409	0.001	-	9.47E-04	6.314E-04	3.157E-04
D2 Landscape Deck	D2MNB	22	0.0374	571	0.157	3.348	0.001	-	9.30E-04	6.201E-04	3.100E-04
D2 Landscape Deck	D2MNB	23	0.0374	560	0.155	3.243	0.001	-	9.01E-04	6.005E-04	3.002E-04
D2 Landscape Deck	D2MNB	24	0.0374	549	0.156	3.206	0.001	-	8.91E-04	5.937E-04	2.969E-04
D2 Landscape Deck	D2WSB	1	0.0374	282	0.165	1.744	0.000	-	4.85E-04	3.230E-04	1.615E-04
D2 Landscape Deck	D2WSB	2	0.0374	289	0.165	1.786	0.000	-	4.96E-04	3.308E-04	1.654E-04
D2 Landscape Deck	D2WSB	3	0.0374	148	0.165	0.912	0.000	-	2.53E-04	1.688E-04	8.442E-05
D2 Landscape Deck	D2WSB	4	0.0374	154	0.167	0.961	0.000	-	2.67E-04	1.780E-04	8.902E-05
D2 Landscape Deck	D2WSB	5	0.0374	159	0.170	1.012	0.000	-	2.81E-04	1.874E-04	9.368E-05
D2 Landscape Deck	D2WSB	6	0.0374	323	0.172	2.083	0.001	-	5.79E-04	3.857E-04	1.929E-04
D2 Landscape Deck	D2WSB	7	0.0374	499	0.172	3.217	0.001	-	8.94E-04	5.957E-04	2.978E-04
D2 Landscape Deck	D2WSB	8	0.0374	852	0.174	5.552	0.002	-	1.54E-03	1.028E-03	5.141E-04
D2 Landscape Deck	D2WSB	9	0.0374	1221	0.174	7.947	0.002	-	2.21E-03	1.472E-03	7.358E-04
D2 Landscape Deck	D2WSB	10	0.0374	1012	0.172	6.511	0.002	-	1.81E-03	1.206E-03	6.028E-04
D2 Landscape Deck	D2WSB	11	0.0374	815	0.171	5.223	0.001	-	1.45E-03	9.672E-04	4.836E-04
D2 Landscape Deck	D2WSB	12	0.0374	787	0.171	5.033	0.001	-	1.40E-03	9.316E-04	4.658E-04
D2 Landscape Deck	D2WSB	13	0.0374	755	0.170	4.791	0.001	-	1.33E-03	8.872E-04	4.436E-04
D2 Landscape Deck	D2WSB	14	0.0374	728	0.169	4.605	0.001	-	1.28E-03	8.527E-04	4.264E-04
D2 Landscape Deck	D2WSB	15	0.0374	837	0.169	5.282	0.001	-	1.47E-03	9.782E-04	4.891E-04
D2 Landscape Deck	D2WSB	16	0.0374	802	0.166	4.980	0.001	-	1.38E-03	9.223E-04	4.611E-04
D2 Landscape Deck	D2WSB	17	0.0374	767	0.164	4.693	0.001	-	1.30E-03	8.691E-04	4.345E-04
D2 Landscape Deck	D2WSB	18	0.0374	731	0.162	4.431	0.001	-	1.23E-03	8.206E-04	4.103E-04
D2 Landscape Deck	D2WSB	19	0.0374	989	0.159	5.886	0.002	-	1.63E-03	1.090E-03	5.450E-04
D2 Landscape Deck	D2WSB	20	0.0374	777	0.160	4.646	0.001	-	1.29E-03	8.604E-04	4.302E-04
D2 Landscape Deck	D2WSB	21	0.0374	498	0.163	3.033	0.001	-	8.43E-04	5.617E-04	2.809E-04
D2 Landscape Deck	D2WSB	22	0.0374	512	0.163	3.118	0.001	-	8.66E-04	5.775E-04	2.887E-04
D2 Landscape Deck	D2WSB	23	0.0374	880	0.162	5.321	0.001	-	1.48E-03	9.853E-04	4.926E-04
D2 Landscape Deck	D2WSB	24	0.0374	891	0.162	5.387	0.001	-	1.50E-03	9.976E-04	4.988E-04
CKR Slip Road	S3SB	1	0.103	345	0.188	6.685	0.002	-	1.86E-03	1.238E-03	6.190E-04
CKR Slip Road	S3SB	2	0.103	352	0.187	6.768	0.002	-	1.88E-03	1.253E-03	6.266E-04
CKR Slip Road	S3SB	3	0.103	180	0.185	3.439	0.001	-	9.55E-04	6.368E-04	3.184E-04
CKR Slip Road	S3SB	4	0.103	184	0.184	3.481	0.001	-	9.67E-04	6.446E-04	3.223E-04
CKR Slip Road	S3SB	5	0.103	188	0.184	3.553	0.001	-	9.87E-04	6.580E-04	3.290E-04
CKR Slip Road	S3SB	6	0.103	380	0.184	7.212	0.002	-	2.00E-03	1.335E-03	6.677E-04
CKR Slip Road	S3SB	7	0.103	580	0.183	10.920	0.003	-	3.03E-03	2.022E-03	1.011E-03
CKR Slip Road	S3SB	8	0.103	984	0.183	18.517	0.005	-	5.14E-03	3.429E-03	1.715E-03
CKR Slip Road	S3SB	9	0.103	1399	0.190	27.355	0.008	-	7.60E-03	5.066E-03	2.533E-03
CKR Slip Road	S3SB	10	0.103	1171	0.186	22.421	0.006	-	6.23E-03	4.152E-03	2.076E-03
CKR Slip Road	S3SB	11	0.103	952	0.183	17.980	0.005	-	4.99E-03	3.330E-03	1.665E-03
CKR Slip Road	S3SB	12	0.103	928	0.186	17.786	0.005	-	4.94E-03	3.294E-03	1.647E-03
CKR Slip Road	S3SB	13	0.103	905	0.189	17.614	0.005	-	4.89E-03	3.262E-03	1.631E-03
CKR Slip Road	S3SB	14	0.103	881	0.192	17.419	0.005	-	4.84E-03	3.226E-03	1.613E-03

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	15	0.103	1028	0.197	20.888	0.006	-	5.80E-03	3.868E-03	1.934E-03
CKR Slip Road	S3SB	16	0.103	1001	0.199	20.469	0.006	-	5.69E-03	3.791E-03	1.895E-03
CKR Slip Road	S3SB	17	0.103	971	0.200	20.047	0.006	-	5.57E-03	3.712E-03	1.856E-03
CKR Slip Road	S3SB	18	0.103	941	0.202	19.606	0.005	-	5.45E-03	3.631E-03	1.815E-03
CKR Slip Road	S3SB	19	0.103	1066	0.205	22.541	0.006	-	6.26E-03	4.174E-03	2.087E-03
CKR Slip Road	S3SB	20	0.103	779	0.202	16.172	0.004	-	4.49E-03	2.995E-03	1.497E-03
CKR Slip Road	S3SB	21	0.103	634	0.193	12.621	0.004	-	3.51E-03	2.337E-03	1.169E-03
CKR Slip Road	S3SB	22	0.103	649	0.192	12.830	0.004	-	3.56E-03	2.376E-03	1.188E-03
CKR Slip Road	S3SB	23	0.103	497	0.191	9.781	0.003	-	2.72E-03	1.811E-03	9.057E-04
CKR Slip Road	S3SB	24	0.103	507	0.189	9.893	0.003	-	2.75E-03	1.832E-03	9.160E-04
CKR Landscape Deck	CKRLDSWB	1	0.195	1346	0.170	44.525	0.012	-	1.24E-02	8.245E-03	4.123E-03
CKR Landscape Deck	CKRLDSWB	2	0.195	1348	0.171	44.851	0.012	-	1.25E-02	8.306E-03	4.153E-03
CKR Landscape Deck	CKRLDSWB	3	0.195	675	0.172	22.603	0.006	-	6.28E-03	4.186E-03	2.093E-03
CKR Landscape Deck	CKRLDSWB	4	0.195	676	0.172	22.723	0.006	-	6.31E-03	4.208E-03	2.104E-03
CKR Landscape Deck	CKRLDSWB	5	0.195	678	0.173	22.906	0.006	-	6.36E-03	4.242E-03	2.121E-03
CKR Landscape Deck	CKRLDSWB	6	0.195	1356	0.175	46.154	0.013	-	1.28E-02	8.547E-03	4.274E-03
CKR Landscape Deck	CKRLDSWB	7	0.195	2034	0.175	69.582	0.019	-	1.93E-02	1.289E-02	6.443E-03
CKR Landscape Deck	CKRLDSWB	8	0.195	3398	0.179	118.579	0.033	-	3.29E-02	2.196E-02	1.098E-02
CKR Landscape Deck	CKRLDSWB	9	0.195	4761	0.200	185.392	0.051	-	5.15E-02	3.433E-02	1.717E-02
CKR Landscape Deck	CKRLDSWB	10	0.195	4076	0.191	151.734	0.042	-	4.21E-02	2.810E-02	1.405E-02
CKR Landscape Deck	CKRLDSWB	11	0.195	3391	0.177	116.710	0.032	-	3.24E-02	2.161E-02	1.081E-02
CKR Landscape Deck	CKRLDSWB	12	0.195	3386	0.176	116.185	0.032	-	3.23E-02	2.152E-02	1.076E-02
CKR Landscape Deck	CKRLDSWB	13	0.195	3378	0.175	115.447	0.032	-	3.21E-02	2.138E-02	1.069E-02
CKR Landscape Deck	CKRLDSWB	14	0.195	3374	0.174	114.674	0.032	-	3.19E-02	2.124E-02	1.062E-02
CKR Landscape Deck	CKRLDSWB	15	0.195	4040	0.186	146.674	0.041	-	4.07E-02	2.716E-02	1.358E-02
CKR Landscape Deck	CKRLDSWB	16	0.195	4034	0.185	145.227	0.040	-	4.03E-02	2.689E-02	1.345E-02
CKR Landscape Deck	CKRLDSWB	17	0.195	4025	0.182	142.915	0.040	-	3.97E-02	2.647E-02	1.323E-02
CKR Landscape Deck	CKRLDSWB	18	0.195	4019	0.181	141.700	0.039	-	3.94E-02	2.624E-02	1.312E-02
CKR Landscape Deck	CKRLDSWB	19	0.195	4709	0.183	167.727	0.047	-	4.66E-02	3.106E-02	1.553E-02
CKR Landscape Deck	CKRLDSWB	20	0.195	3376	0.170	111.821	0.031	-	3.11E-02	2.071E-02	1.035E-02
CKR Landscape Deck	CKRLDSWB	21	0.195	2681	0.168	87.992	0.024	-	2.44E-02	1.629E-02	8.147E-03
CKR Landscape Deck	CKRLDSWB	22	0.195	2684	0.169	88.575	0.025	-	2.46E-02	1.640E-02	8.201E-03
CKR Landscape Deck	CKRLDSWB	23	0.195	2095	0.167	68.058	0.019	-	1.89E-02	1.260E-02	6.302E-03
CKR Landscape Deck	CKRLDSWB	24	0.195	2102	0.168	68.834	0.019	-	1.91E-02	1.275E-02	6.374E-03
CKR Landscape Deck	CKRLDNEB	1	0.195	1325	0.165	42.738	0.012	-	1.19E-02	7.914E-03	3.957E-03
CKR Landscape Deck	CKRLDNEB	2	1.195	1332	0.165	263.282	0.073	-	7.31E-02	4.876E-02	2.438E-02
CKR Landscape Deck	CKRLDNEB	3	2.195	673	0.166	245.369	0.068	-	6.82E-02	4.544E-02	2.272E-02
CKR Landscape Deck	CKRLDNEB	4	3.195	678	0.166	359.091	0.100	-	9.97E-02	6.650E-02	3.325E-02
CKR Landscape Deck	CKRLDNEB	5	4.195	679	0.166	472.198	0.131	-	1.31E-01	8.744E-02	4.372E-02
CKR Landscape Deck	CKRLDNEB	6	5.195	1372	0.167	1192.098	0.331	-	3.31E-01	2.208E-01	1.104E-01
CKR Landscape Deck	CKRLDNEB	7	6.195	2070	0.168	2148.037	0.597	-	5.97E-01	3.978E-01	1.989E-01
CKR Landscape Deck	CKRLDNEB	8	7.195	3478	0.170	4266.155	1.185	-	1.19E+00	7.900E-01	3.950E-01
CKR Landscape Deck	CKRLDNEB	9	8.195	4900	0.189	7595.103	2.110	-	2.11E+00	1.407E+00	7.033E-01
CKR Landscape Deck	CKRLDNEB	10	9.195	4162	0.182	6954.675	1.932	-	1.93E+00	1.288E+00	6.440E-01
CKR Landscape Deck	CKRLDNEB	11	10.195	3434	0.169	5914.575	1.643	-	1.64E+00	1.095E+00	5.476E-01
CKR Landscape Deck	CKRLDNEB	12	11.195	3401	0.169	6440.664	1.789	-	1.79E+00	1.193E+00	5.964E-01
CKR Landscape Deck	CKRLDNEB	13	12.195	3367	0.170	6963.063	1.934	-	1.93E+00	1.289E+00	6.447E-01
CKR Landscape Deck	CKRLDNEB	14	13.195	3332	0.169	7444.190	2.068	-	2.07E+00	1.379E+00	6.893E-01
CKR Landscape Deck	CKRLDNEB	15	14.195	3959	0.182	10209.588	2.836	-	2.84E+00	1.891E+00	9.453E-01
CKR Landscape Deck	CKRLDNEB	16	15.195	3917	0.181	10768.792	2.991	-	2.99E+00	1.994E+00	9.971E-01
CKR Landscape Deck	CKRLDNEB	17	16.195	3876	0.180	11268.427	3.130	-	3.13E+00	2.087E+00	1.043E+00
CKR Landscape Deck	CKRLDNEB	18	17.195	3838	0.179	11825.765	3.285	-	3.28E+00	2.190E+00	1.095E+00
CKR Landscape Deck	CKRLDNEB	19	18.195	4517	0.182	14943.419	4.151	-	4.15E+00	2.767E+00	1.384E+00
CKR Landscape Deck	CKRLDNEB	20	19.195	3275	0.168	10585.399	2.940	-	2.94E+00	1.960E+00	9.801E-01
CKR Landscape Deck	CKRLDNEB	21	20.195	2571	0.167	8646.367	2.402	-	2.40E+00	1.601E+00	8.006E-01
CKR Landscape Deck	CKRLDNEB	22	21.195	2588	0.167	9143.432	2.540	-	2.54E+00	1.693E+00	8.466E-01
CKR Landscape Deck	CKRLDNEB	23	22.195	1985	0.164	7231.887	2.009	-	2.01E+00	1.339E+00	6.696E-01
CKR Landscape Deck	CKRLDNEB	24	23.195	2004	0.164	7640.715	2.122	-	2.12E+00	1.415E+00	7.075E-01

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To East Vent. BLD. (g/s)	To East Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1325	0.165	438.340	0.122	0.084	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1332	0.165	440.640	0.122	0.084	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	673	0.166	223.571	0.062	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	678	0.166	224.783	0.062	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	679	0.166	225.124	0.063	0.043	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1372	0.167	458.941	0.127	0.088	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	2070	0.168	693.474	0.193	0.133	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	3478	0.170	1185.866	0.329	0.232	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	4900	0.189	1853.594	0.515	0.366	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	4162	0.182	1512.708	0.420	0.298	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	3434	0.169	1160.289	0.322	0.226	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	3401	0.169	1150.632	0.320	0.225	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	3367	0.170	1141.954	0.317	0.223	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	3332	0.169	1128.335	0.313	0.221	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3959	0.182	1438.477	0.400	0.281	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3917	0.181	1417.413	0.394	0.276	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3876	0.180	1391.593	0.387	0.271	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3838	0.179	1375.489	0.382	0.271	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	4517	0.182	1642.585	0.456	0.324	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	3275	0.168	1102.933	0.306	0.215	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2571	0.167	856.288	0.238	0.165	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2588	0.167	862.791	0.240	0.166	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1985	0.164	651.668	0.181	0.125	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	2004	0.164	658.824	0.183	0.126	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1325	0.165	383.548	0.107	-	0.191	0.172	0.019	0.013	0.006
CKR Tunnel	CKRTEEB	2	1.75	1332	0.165	385.560	0.107	-	0.192	0.172	0.019	0.013	0.006
CKR Tunnel	CKRTEEB	3	1.75	673	0.166	195.624	0.054	-	0.097	0.087	0.010	0.006	0.003
CKR Tunnel	CKRTEEB	4	1.75	678	0.166	196.685	0.055	-	0.098	0.088	0.010	0.007	0.003
CKR Tunnel	CKRTEEB	5	1.75	679	0.166	196.984	0.055	-	0.098	0.088	0.010	0.007	0.003
CKR Tunnel	CKRTEEB	6	1.75	1372	0.167	401.573	0.112	-	0.199	0.179	0.020	0.013	0.007
CKR Tunnel	CKRTEEB	7	1.75	2070	0.168	606.790	0.169	-	0.302	0.271	0.030	0.020	0.010
CKR Tunnel	CKRTEEB	8	1.75	3478	0.170	1037.633	0.288	-	0.520	0.468	0.052	0.035	0.017
CKR Tunnel	CKRTEEB	9	1.75	4900	0.189	1621.895	0.451	-	0.816	0.734	0.082	0.054	0.027
CKR Tunnel	CKRTEEB	10	1.75	4162	0.182	1323.619	0.368	-	0.666	0.599	0.067	0.044	0.022
CKR Tunnel	CKRTEEB	11	1.75	3434	0.169	1015.253	0.282	-	0.508	0.457	0.051	0.034	0.017
CKR Tunnel	CKRTEEB	12	1.75	3401	0.169	1006.803	0.280	-	0.505	0.454	0.050	0.034	0.017
CKR Tunnel	CKRTEEB	13	1.75	3367	0.170	999.210	0.278	-	0.501	0.451	0.050	0.033	0.017
CKR Tunnel	CKRTEEB	14	1.75	3332	0.169	987.293	0.274	-	0.495	0.445	0.049	0.033	0.016
CKR Tunnel	CKRTEEB	15	1.75	3959	0.182	1258.667	0.350	-	0.631	0.568	0.063	0.042	0.021
CKR Tunnel	CKRTEEB	16	1.75	3917	0.181	1240.236	0.345	-	0.621	0.559	0.062	0.041	0.021
CKR Tunnel	CKRTEEB	17	1.75	3876	0.180	1217.644	0.338	-	0.609	0.548	0.061	0.041	0.020
CKR Tunnel	CKRTEEB	18	1.75	3838	0.179	1203.553	0.334	-	0.606	0.545	0.061	0.040	0.020
CKR Tunnel	CKRTEEB	19	1.75	4517	0.182	1437.262	0.399	-	0.723	0.651	0.072	0.048	0.024
CKR Tunnel	CKRTEEB	20	1.75	3275	0.168	965.066	0.268	-	0.483	0.435	0.048	0.032	0.016
CKR Tunnel	CKRTEEB	21	1.75	2571	0.167	749.252	0.208	-	0.373	0.335	0.037	0.025	0.012
CKR Tunnel	CKRTEEB	22	1.75	2588	0.167	754.943	0.210	-	0.376	0.338	0.038	0.025	0.013
CKR Tunnel	CKRTEEB	23	1.75	1985	0.164	570.210	0.158	-	0.284	0.255	0.028	0.019	0.009
CKR Tunnel	CKRTEEB	24	1.75	2004	0.164	576.471	0.160	-	0.286	0.258	0.029	0.019	0.010
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.172	-	0.161	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.172	-	0.162	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.087	-	0.082	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.088	-	0.083	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.088	-	0.083	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.179	-	0.169	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.271	-	0.255	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.468	-	0.440	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.734	-	0.690	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.599	-	0.563	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.457	-	0.430	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.454	-	0.427	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.451	-	0.424	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.445	-	0.419	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.568	-	0.534	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.559	-	0.525	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.548	-	0.515	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.545	-	0.512	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.651	-	0.612	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.435	-	0.409	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.335	-	0.315	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.338	-	0.318	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.255	-	0.240	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.258	-	0.242	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO₂ and 80% of RSP and it is assumed that there is 7.5% NO₂ among NOx from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	601	0.013	9.406	0.003	-	1.31E-03	8.71E-04	4.35E-04
Kai Tak Tunnel	KTTE	2	1.23	593	0.013	9.304	0.003	-	1.29E-03	8.62E-04	4.31E-04
Kai Tak Tunnel	KTTE	3	1.23	294	0.013	4.611	0.001	-	6.40E-04	4.27E-04	2.13E-04
Kai Tak Tunnel	KTTE	4	1.23	289	0.013	4.570	0.001	-	6.35E-04	4.23E-04	2.12E-04
Kai Tak Tunnel	KTTE	5	1.23	286	0.013	4.517	0.001	-	6.27E-04	4.18E-04	2.09E-04
Kai Tak Tunnel	KTTE	6	1.23	566	0.013	8.948	0.002	-	1.24E-03	8.29E-04	4.14E-04
Kai Tak Tunnel	KTTE	7	1.23	836	0.013	13.271	0.004	-	1.84E-03	1.23E-03	6.14E-04
Kai Tak Tunnel	KTTE	8	1.23	1376	0.013	21.811	0.006	-	3.03E-03	2.02E-03	1.01E-03
Kai Tak Tunnel	KTTE	9	1.23	1901	0.013	31.050	0.009	-	4.31E-03	2.88E-03	1.44E-03
Kai Tak Tunnel	KTTE	10	1.23	1661	0.013	26.736	0.007	-	3.71E-03	2.48E-03	1.24E-03
Kai Tak Tunnel	KTTE	11	1.23	1409	0.013	22.309	0.006	-	3.10E-03	2.07E-03	1.03E-03
Kai Tak Tunnel	KTTE	12	1.23	1431	0.013	22.410	0.006	-	3.11E-03	2.07E-03	1.04E-03
Kai Tak Tunnel	KTTE	13	1.23	1457	0.013	22.763	0.006	-	3.16E-03	2.11E-03	1.05E-03
Kai Tak Tunnel	KTTE	14	1.23	1479	0.013	22.839	0.006	-	3.17E-03	2.11E-03	1.06E-03
Kai Tak Tunnel	KTTE	15	1.23	1809	0.013	28.592	0.008	-	3.97E-03	2.65E-03	1.32E-03
Kai Tak Tunnel	KTTE	16	1.23	1838	0.013	29.059	0.008	-	4.04E-03	2.69E-03	1.35E-03
Kai Tak Tunnel	KTTE	17	1.23	1869	0.013	29.608	0.008	-	4.11E-03	2.74E-03	1.37E-03
Kai Tak Tunnel	KTTE	18	1.23	1899	0.013	30.052	0.008	-	4.17E-03	2.78E-03	1.39E-03
Kai Tak Tunnel	KTTE	19	1.23	2251	0.013	35.578	0.010	-	4.94E-03	3.29E-03	1.65E-03
Kai Tak Tunnel	KTTE	20	1.23	1588	0.013	24.990	0.007	-	3.47E-03	2.31E-03	1.16E-03
Kai Tak Tunnel	KTTE	21	1.23	1257	0.013	19.361	0.005	-	2.69E-03	1.79E-03	8.96E-04
Kai Tak Tunnel	KTTE	22	1.23	1242	0.013	19.208	0.005	-	2.67E-03	1.78E-03	8.89E-04
Kai Tak Tunnel	KTTE	23	1.23	921	0.013	14.319	0.004	-	1.99E-03	1.33E-03	6.63E-04
Kai Tak Tunnel	KTTE	24	1.23	910	0.013	14.189	0.004	-	1.97E-03	1.31E-03	6.57E-04
Kai Tak Tunnel	KTTW	1	1.23	639	0.016	12.268	0.003	-	1.70E-03	1.14E-03	5.68E-04
Kai Tak Tunnel	KTTW	2	1.23	653	0.015	12.399	0.003	-	1.72E-03	1.15E-03	5.74E-04
Kai Tak Tunnel	KTTW	3	1.23	331	0.015	6.263	0.002	-	8.70E-04	5.80E-04	2.90E-04
Kai Tak Tunnel	KTTW	4	1.23	338	0.015	6.326	0.002	-	8.79E-04	5.86E-04	2.93E-04
Kai Tak Tunnel	KTTW	5	1.23	345	0.015	6.466	0.002	-	8.98E-04	5.99E-04	2.99E-04
Kai Tak Tunnel	KTTW	6	1.23	706	0.016	13.735	0.004	-	1.91E-03	1.27E-03	6.36E-04
Kai Tak Tunnel	KTTW	7	1.23	1073	0.015	20.454	0.006	-	2.84E-03	1.89E-03	9.47E-04
Kai Tak Tunnel	KTTW	8	1.23	1823	0.016	35.087	0.010	-	4.87E-03	3.25E-03	1.62E-03
Kai Tak Tunnel	KTTW	9	1.23	2595	0.016	50.458	0.014	-	7.01E-03	4.67E-03	2.34E-03
Kai Tak Tunnel	KTTW	10	1.23	2170	0.016	41.756	0.012	-	5.80E-03	3.87E-03	1.93E-03
Kai Tak Tunnel	KTTW	11	1.23	1764	0.016	33.707	0.009	-	4.68E-03	3.12E-03	1.56E-03
Kai Tak Tunnel	KTTW	12	1.23	1719	0.015	32.708	0.009	-	4.54E-03	3.03E-03	1.51E-03
Kai Tak Tunnel	KTTW	13	1.23	1677	0.015	31.904	0.009	-	4.43E-03	2.95E-03	1.48E-03
Kai Tak Tunnel	KTTW	14	1.23	1630	0.015	30.892	0.009	-	4.29E-03	2.86E-03	1.43E-03
Kai Tak Tunnel	KTTW	15	1.23	1905	0.016	36.897	0.010	-	5.12E-03	3.42E-03	1.71E-03
Kai Tak Tunnel	KTTW	16	1.23	1850	0.016	35.736	0.010	-	4.96E-03	3.31E-03	1.65E-03
Kai Tak Tunnel	KTTW	17	1.23	1799	0.016	35.026	0.010	-	4.86E-03	3.24E-03	1.62E-03
Kai Tak Tunnel	KTTW	18	1.23	1743	0.016	33.705	0.009	-	4.68E-03	3.12E-03	1.56E-03
Kai Tak Tunnel	KTTW	19	1.23	1973	0.016	38.232	0.011	-	5.31E-03	3.54E-03	1.77E-03
Kai Tak Tunnel	KTTW	20	1.23	1441	0.016	27.692	0.008	-	3.85E-03	2.56E-03	1.28E-03
Kai Tak Tunnel	KTTW	21	1.23	1179	0.015	22.457	0.006	-	3.12E-03	2.08E-03	1.04E-03
Kai Tak Tunnel	KTTW	22	1.23	1203	0.015	22.782	0.006	-	3.16E-03	2.11E-03	1.05E-03
Kai Tak Tunnel	KTTW	23	1.23	921	0.016	17.727	0.005	-	2.46E-03	1.64E-03	8.21E-04
Kai Tak Tunnel	KTTW	24	1.23	941	0.016	17.967	0.005	-	2.50E-03	1.66E-03	8.32E-04
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	3.01E-03	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	3.01E-03	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	1.51E-03	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	1.51E-03	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	1.53E-03	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	3.15E-03	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	4.68E-03	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	7.90E-03	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	1.13E-02	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	9.51E-03	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	7.78E-03	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	7.66E-03	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	7.59E-03	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	7.46E-03	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	9.10E-03	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	9.00E-03	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	8.98E-03	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	8.86E-03	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	1.03E-02	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	7.32E-03	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	5.81E-03	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	5.83E-03	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	4.45E-03	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	4.47E-03	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	186	0.009	0.221	0.000	-	6.13E-05	4.09E-05	2.04E-05
D2 Landscape Deck	D2ENB	2	0.125	185	0.010	0.220	0.000	-	6.11E-05	4.07E-05	2.04E-05
D2 Landscape Deck	D2ENB	3	0.125	92	0.011	0.127	0.000	-	3.52E-05	2.35E-05	1.17E-05
D2 Landscape Deck	D2ENB	4	0.125	90	0.011	0.125	0.000	-	3.48E-05	2.32E-05	1.16E-05
D2 Landscape Deck	D2ENB	5	0.125	89	0.011	0.125	0.000	-	3.46E-05	2.31E-05	1.15E-05
D2 Landscape Deck	D2ENB	6	0.125	175	0.010	0.211	0.000	-	5.87E-05	3.91E-05	1.96E-05
D2 Landscape Deck	D2ENB	7	0.125	259	0.010	0.329	0.000	-	9.13E-05	6.09E-05	3.04E-05
D2 Landscape Deck	D2ENB	8	0.125	427	0.011	0.576	0.000	-	1.60E-04	1.07E-04	5.33E-05
D2 Landscape Deck	D2ENB	9	0.125	590	0.011	0.778	0.000	-	2.16E-04	1.44E-04	7.21E-05
D2 Landscape Deck	D2ENB	10	0.125	513	0.010	0.652	0.000	-	1.81E-04	1.21E-04	6.04E-05
D2 Landscape Deck	D2ENB	11	0.125	439	0.011	0.586	0.000	-	1.63E-04	1.09E-04	5.43E-05
D2 Landscape Deck	D2ENB	12	0.125	447	0.011	0.594	0.000	-	1.65E-04	1.10E-04	5.50E-05
D2 Landscape Deck	D2ENB	13	0.125	456	0.011	0.604	0.000	-	1.68E-04	1.12E-04	5.59E-05
D2 Landscape Deck	D2ENB	14	0.125	464	0.011	0.611	0.000	-	1.70E-04	1.13E-04	5.66E-05
D2 Landscape Deck	D2ENB	15	0.125	566	0.010	0.706	0.000	-	1.96E-04	1.31E-04	6.54E-05
D2 Landscape Deck	D2ENB	16	0.125	577	0.010	0.718	0.000	-	1.99E-04	1.33E-04	6.64E-05
D2 Landscape Deck	D2ENB	17	0.125	588	0.010	0.737	0.000	-	2.05E-04	1.36E-04	6.82E-05
D2 Landscape Deck	D2ENB	18	0.125	598	0.010	0.749	0.000	-	2.08E-04	1.39E-04	6.94E-05
D2 Landscape Deck	D2ENB	19	0.125	709	0.010	0.904	0.000	-	2.51E-04	1.67E-04	8.37E-05

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	501	0.010	0.646	0.000	-	1.80E-04	1.20E-04	5.99E-05
D2 Landscape Deck	D2ENB	21	0.125	396	0.010	0.507	0.000	-	1.41E-04	9.38E-05	4.69E-05
D2 Landscape Deck	D2ENB	22	0.125	391	0.010	0.503	0.000	-	1.40E-04	9.32E-05	4.66E-05
D2 Landscape Deck	D2ENB	23	0.125	289	0.010	0.357	0.000	-	9.92E-05	6.62E-05	3.31E-05
D2 Landscape Deck	D2ENB	24	0.125	284	0.010	0.352	0.000	-	9.77E-05	6.52E-05	3.26E-05
D2 Landscape Deck	D2MSB	1	0.125	205	0.010	0.262	0.000	-	7.28E-05	4.86E-05	2.43E-05
D2 Landscape Deck	D2MSB	2	0.125	218	0.010	0.285	0.000	-	7.90E-05	5.27E-05	2.63E-05
D2 Landscape Deck	D2MSB	3	0.125	113	0.010	0.135	0.000	-	3.76E-05	2.51E-05	1.25E-05
D2 Landscape Deck	D2MSB	4	0.125	119	0.009	0.138	0.000	-	3.83E-05	2.56E-05	1.28E-05
D2 Landscape Deck	D2MSB	5	0.125	124	0.009	0.140	0.000	-	3.89E-05	2.59E-05	1.30E-05
D2 Landscape Deck	D2MSB	6	0.125	262	0.010	0.312	0.000	-	8.65E-05	5.77E-05	2.88E-05
D2 Landscape Deck	D2MSB	7	0.125	412	0.010	0.535	0.000	-	1.49E-04	9.90E-05	4.95E-05
D2 Landscape Deck	D2MSB	8	0.125	711	0.010	0.891	0.000	-	2.47E-04	1.65E-04	8.25E-05
D2 Landscape Deck	D2MSB	9	0.125	1038	0.010	1.319	0.000	-	3.66E-04	2.44E-04	1.22E-04
D2 Landscape Deck	D2MSB	10	0.125	842	0.010	1.046	0.000	-	2.90E-04	1.94E-04	9.68E-05
D2 Landscape Deck	D2MSB	11	0.125	660	0.010	0.838	0.000	-	2.33E-04	1.55E-04	7.76E-05
D2 Landscape Deck	D2MSB	12	0.125	621	0.010	0.759	0.000	-	2.11E-04	1.41E-04	7.03E-05
D2 Landscape Deck	D2MSB	13	0.125	581	0.010	0.727	0.000	-	2.02E-04	1.35E-04	6.73E-05
D2 Landscape Deck	D2MSB	14	0.125	540	0.010	0.661	0.000	-	1.84E-04	1.22E-04	6.12E-05
D2 Landscape Deck	D2MSB	15	0.125	601	0.010	0.740	0.000	-	2.06E-04	1.37E-04	6.85E-05
D2 Landscape Deck	D2MSB	16	0.125	552	0.010	0.670	0.000	-	1.86E-04	1.24E-04	6.21E-05
D2 Landscape Deck	D2MSB	17	0.125	504	0.010	0.608	0.000	-	1.69E-04	1.13E-04	5.63E-05
D2 Landscape Deck	D2MSB	18	0.125	456	0.009	0.538	0.000	-	1.49E-04	9.96E-05	4.98E-05
D2 Landscape Deck	D2MSB	19	0.125	475	0.009	0.551	0.000	-	1.53E-04	1.02E-04	5.10E-05
D2 Landscape Deck	D2MSB	20	0.125	369	0.010	0.448	0.000	-	1.25E-04	8.30E-05	4.15E-05
D2 Landscape Deck	D2MSB	21	0.125	315	0.009	0.348	0.000	-	9.66E-05	6.44E-05	3.22E-05
D2 Landscape Deck	D2MSB	22	0.125	342	0.010	0.430	0.000	-	1.19E-04	7.96E-05	3.98E-05
D2 Landscape Deck	D2MSB	23	0.125	273	0.009	0.321	0.000	-	8.92E-05	5.95E-05	2.97E-05
D2 Landscape Deck	D2MSB	24	0.125	288	0.009	0.326	0.000	-	9.06E-05	6.04E-05	3.02E-05
D2 Landscape Deck	D2MNB	1	0.0374	199	0.010	0.075	0.000	-	2.08E-05	1.39E-05	6.93E-06
D2 Landscape Deck	D2MNB	2	0.0374	195	0.010	0.074	0.000	-	2.06E-05	1.37E-05	6.86E-06
D2 Landscape Deck	D2MNB	3	0.0374	94	0.010	0.036	0.000	-	1.01E-05	6.73E-06	3.37E-06
D2 Landscape Deck	D2MNB	4	0.0374	91	0.011	0.036	0.000	-	9.99E-06	6.66E-06	3.33E-06
D2 Landscape Deck	D2MNB	5	0.0374	88	0.011	0.035	0.000	-	9.81E-06	6.54E-06	3.27E-06
D2 Landscape Deck	D2MNB	6	0.0374	173	0.009	0.061	0.000	-	1.70E-05	1.13E-05	5.65E-06
D2 Landscape Deck	D2MNB	7	0.0374	252	0.010	0.095	0.000	-	2.64E-05	1.76E-05	8.80E-06
D2 Landscape Deck	D2MNB	8	0.0374	410	0.011	0.164	0.000	-	4.55E-05	3.03E-05	1.52E-05
D2 Landscape Deck	D2MNB	9	0.0374	554	0.011	0.218	0.000	-	6.05E-05	4.03E-05	2.02E-05
D2 Landscape Deck	D2MNB	10	0.0374	497	0.010	0.188	0.000	-	5.22E-05	3.48E-05	1.74E-05
D2 Landscape Deck	D2MNB	11	0.0374	431	0.010	0.165	0.000	-	4.59E-05	3.06E-05	1.53E-05
D2 Landscape Deck	D2MNB	12	0.0374	449	0.010	0.168	0.000	-	4.67E-05	3.12E-05	1.56E-05
D2 Landscape Deck	D2MNB	13	0.0374	466	0.010	0.170	0.000	-	4.73E-05	3.16E-05	1.58E-05
D2 Landscape Deck	D2MNB	14	0.0374	483	0.010	0.173	0.000	-	4.81E-05	3.21E-05	1.60E-05
D2 Landscape Deck	D2MNB	15	0.0374	601	0.010	0.215	0.000	-	5.97E-05	3.98E-05	1.99E-05
D2 Landscape Deck	D2MNB	16	0.0374	624	0.009	0.220	0.000	-	6.11E-05	4.07E-05	2.04E-05
D2 Landscape Deck	D2MNB	17	0.0374	644	0.009	0.222	0.000	-	6.17E-05	4.11E-05	2.06E-05
D2 Landscape Deck	D2MNB	18	0.0374	663	0.009	0.226	0.000	-	6.27E-05	4.18E-05	2.09E-05
D2 Landscape Deck	D2MNB	19	0.0374	799	0.009	0.267	0.000	-	7.41E-05	4.94E-05	2.47E-05
D2 Landscape Deck	D2MNB	20	0.0374	559	0.009	0.186	0.000	-	5.18E-05	3.45E-05	1.73E-05
D2 Landscape Deck	D2MNB	21	0.0374	436	0.009	0.145	0.000	-	4.03E-05	2.69E-05	1.34E-05
D2 Landscape Deck	D2MNB	22	0.0374	426	0.009	0.145	0.000	-	4.04E-05	2.69E-05	1.35E-05
D2 Landscape Deck	D2MNB	23	0.0374	312	0.009	0.101	0.000	-	2.82E-05	1.88E-05	9.39E-06
D2 Landscape Deck	D2MNB	24	0.0374	304	0.009	0.100	0.000	-	2.78E-05	1.86E-05	9.28E-06
D2 Landscape Deck	D2WSB	1	0.0374	204	0.010	0.079	0.000	-	2.20E-05	1.46E-05	7.32E-06
D2 Landscape Deck	D2WSB	2	0.0374	215	0.010	0.082	0.000	-	2.26E-05	1.51E-05	7.55E-06
D2 Landscape Deck	D2WSB	3	0.0374	112	0.010	0.040	0.000	-	1.12E-05	7.47E-06	3.73E-06
D2 Landscape Deck	D2WSB	4	0.0374	117	0.009	0.041	0.000	-	1.14E-05	7.57E-06	3.78E-06
D2 Landscape Deck	D2WSB	5	0.0374	123	0.009	0.042	0.000	-	1.16E-05	7.72E-06	3.86E-06
D2 Landscape Deck	D2WSB	6	0.0374	258	0.010	0.093	0.000	-	2.57E-05	1.71E-05	8.57E-06
D2 Landscape Deck	D2WSB	7	0.0374	405	0.011	0.159	0.000	-	4.42E-05	2.95E-05	1.47E-05
D2 Landscape Deck	D2WSB	8	0.0374	701	0.010	0.265	0.000	-	7.37E-05	4.91E-05	2.46E-05
D2 Landscape Deck	D2WSB	9	0.0374	1019	0.010	0.386	0.000	-	1.07E-04	7.15E-05	3.57E-05
D2 Landscape Deck	D2WSB	10	0.0374	828	0.010	0.311	0.000	-	8.64E-05	5.76E-05	2.88E-05
D2 Landscape Deck	D2WSB	11	0.0374	652	0.010	0.249	0.000	-	6.93E-05	4.62E-05	2.31E-05
D2 Landscape Deck	D2WSB	12	0.0374	613	0.010	0.227	0.000	-	6.30E-05	4.20E-05	2.10E-05
D2 Landscape Deck	D2WSB	13	0.0374	576	0.010	0.217	0.000	-	6.02E-05	4.01E-05	2.01E-05
D2 Landscape Deck	D2WSB	14	0.0374	538	0.010	0.199	0.000	-	5.54E-05	3.69E-05	1.85E-05
D2 Landscape Deck	D2WSB	15	0.0374	600	0.010	0.227	0.000	-	6.30E-05	4.20E-05	2.10E-05
D2 Landscape Deck	D2WSB	16	0.0374	553	0.010	0.199	0.000	-	5.54E-05	3.69E-05	1.85E-05
D2 Landscape Deck	D2WSB	17	0.0374	508	0.010	0.187	0.000	-	5.19E-05	3.46E-05	1.73E-05
D2 Landscape Deck	D2WSB	18	0.0374	462	0.010	0.168	0.000	-	4.67E-05	3.11E-05	1.56E-05
D2 Landscape Deck	D2WSB	19	0.0374	489	0.010	0.185	0.000	-	5.13E-05	3.42E-05	1.71E-05
D2 Landscape Deck	D2WSB	20	0.0374	377	0.010	0.140	0.000	-	3.88E-05	2.59E-05	1.29E-05
D2 Landscape Deck	D2WSB	21	0.0374	321	0.009	0.111	0.000	-	3.07E-05	2.05E-05	1.02E-05
D2 Landscape Deck	D2WSB	22	0.0374	345	0.010	0.132	0.000	-	3.66E-05	2.44E-05	1.22E-05
D2 Landscape Deck	D2WSB	23	0.0374	275	0.010	0.101	0.000	-	2.81E-05	1.87E-05	9.37E-06
D2 Landscape Deck	D2WSB	24	0.0374	289	0.009	0.103	0.000	-	2.85E-05	1.90E-05	9.50E-06
CKR Slip Road	S3SB	1	0.103	316	0.017	0.553	0.000	-	1.54E-04	1.02E-04	5.12E-05
CKR Slip Road	S3SB	2	0.103	320	0.017	0.545	0.000	-	1.51E-04	1.01E-04	5.04E-05
CKR Slip Road	S3SB	3	0.103	164	0.016	0.266	0.000	-	7.40E-05	4.93E-05	2.47E-05
CKR Slip Road	S3SB	4	0.103	167	0.015	0.265	0.000	-	7.37E-05	4.91E-05	2.46E-05
CKR Slip Road	S3SB	5	0.103	168	0.015	0.264	0.000	-	7.35E-05	4.90E-05	2.45E-05
CKR Slip Road	S3SB	6	0.103	342	0.015	0.521	0.000	-	1.45E-04	9.65E-05	4.82E-05
CKR Slip Road	S3SB	7	0.103	524	0.015	0.816	0.000	-	2.27E-04	1.51E-04	7.55E-05
CKR Slip Road	S3SB	8	0.103	885	0.014	1.314	0.000	-	3.65E-04	2.43E-04	1.22E-04
CKR Slip Road	S3SB	9	0.103	1256	0.014	1.869	0.001	-	5.19E-04	3.46E-04	1.73E-04
CKR Slip Road	S3SB	10	0.103	1053	0.014	1.571	0.000	-	4.36E-04	2.91E-04	1.45E-04
CKR Slip Road	S3SB	11	0.103	859	0.015	1.329	0.000	-	3.69E-04	2.46E-04	1.23E-04
CKR Slip Road	S3SB	12	0.103	839	0.015	1.322	0.000	-	3.67E-04	2.45E-04	1.22E-04
CKR Slip Road	S3SB	13	0.103	820	0.016	1.320	0.000	-	3.67E-04	2.44E-04	1.22E-04
CKR Slip Road	S3SB	14	0.103	802	0.016	1.345	0.000	-	3.74E-04	2.49E-04	1.25E-04
CKR Slip Road	S3SB	15	0.103	936	0.017	1.619	0.000	-	4.50E-04	3.00E-04	1.50E-04

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	16	0.103	914	0.017	1.640	0.000	-	4.56E-04	3.04E-04	1.52E-04
CKR Slip Road	S3SB	17	0.103	890	0.018	1.657	0.000	-	4.60E-04	3.07E-04	1.53E-04
CKR Slip Road	S3SB	18	0.103	869	0.019	1.659	0.000	-	4.61E-04	3.07E-04	1.54E-04
CKR Slip Road	S3SB	19	0.103	985	0.019	1.935	0.001	-	5.38E-04	3.58E-04	1.79E-04
CKR Slip Road	S3SB	20	0.103	718	0.019	1.373	0.000	-	3.82E-04	2.54E-04	1.27E-04
CKR Slip Road	S3SB	21	0.103	587	0.018	1.091	0.000	-	3.03E-04	2.02E-04	1.01E-04
CKR Slip Road	S3SB	22	0.103	597	0.018	1.081	0.000	-	3.00E-04	2.00E-04	1.00E-04
CKR Slip Road	S3SB	23	0.103	454	0.017	0.788	0.000	-	2.19E-04	1.46E-04	7.30E-05
CKR Slip Road	S3SB	24	0.103	463	0.017	0.825	0.000	-	2.29E-04	1.53E-04	7.64E-05
CKR Landscape Deck	CKRLDSWB	1	0.195	1052	0.017	3.448	0.001	-	9.58E-04	6.39E-04	3.19E-04
CKR Landscape Deck	CKRLDSWB	2	0.195	1057	0.017	3.481	0.001	-	9.67E-04	6.45E-04	3.22E-04
CKR Landscape Deck	CKRLDSWB	3	0.195	529	0.017	1.740	0.000	-	4.83E-04	3.22E-04	1.61E-04
CKR Landscape Deck	CKRLDSWB	4	0.195	533	0.017	1.771	0.000	-	4.92E-04	3.28E-04	1.64E-04
CKR Landscape Deck	CKRLDSWB	5	0.195	534	0.017	1.771	0.000	-	4.92E-04	3.28E-04	1.64E-04
CKR Landscape Deck	CKRLDSWB	6	0.195	1072	0.017	3.596	0.001	-	9.99E-04	6.66E-04	3.33E-04
CKR Landscape Deck	CKRLDSWB	7	0.195	1616	0.017	5.502	0.002	-	1.53E-03	1.02E-03	5.09E-04
CKR Landscape Deck	CKRLDSWB	8	0.195	2708	0.017	8.863	0.002	-	2.46E-03	1.64E-03	8.21E-04
CKR Landscape Deck	CKRLDSWB	9	0.195	3805	0.017	12.243	0.003	-	3.40E-03	2.27E-03	1.13E-03
CKR Landscape Deck	CKRLDSWB	10	0.195	3240	0.017	10.542	0.003	-	2.93E-03	1.95E-03	9.76E-04
CKR Landscape Deck	CKRLDSWB	11	0.195	2687	0.017	8.699	0.002	-	2.42E-03	1.61E-03	8.05E-04
CKR Landscape Deck	CKRLDSWB	12	0.195	2673	0.016	8.582	0.002	-	2.38E-03	1.59E-03	7.95E-04
CKR Landscape Deck	CKRLDSWB	13	0.195	2655	0.016	8.439	0.002	-	2.34E-03	1.56E-03	7.81E-04
CKR Landscape Deck	CKRLDSWB	14	0.195	2641	0.016	8.358	0.002	-	2.32E-03	1.55E-03	7.74E-04
CKR Landscape Deck	CKRLDSWB	15	0.195	3150	0.016	9.857	0.003	-	2.74E-03	1.83E-03	9.13E-04
CKR Landscape Deck	CKRLDSWB	16	0.195	3132	0.016	9.725	0.003	-	2.70E-03	1.80E-03	9.00E-04
CKR Landscape Deck	CKRLDSWB	17	0.195	3113	0.016	9.583	0.003	-	2.66E-03	1.77E-03	8.87E-04
CKR Landscape Deck	CKRLDSWB	18	0.195	3094	0.016	9.423	0.003	-	2.62E-03	1.74E-03	8.72E-04
CKR Landscape Deck	CKRLDSWB	19	0.195	3588	0.015	10.835	0.003	-	3.01E-03	2.01E-03	1.00E-03
CKR Landscape Deck	CKRLDSWB	20	0.195	2573	0.016	7.795	0.002	-	2.17E-03	1.44E-03	7.22E-04
CKR Landscape Deck	CKRLDSWB	21	0.195	2069	0.016	6.604	0.002	-	1.83E-03	1.22E-03	6.12E-04
CKR Landscape Deck	CKRLDSWB	22	0.195	2076	0.016	6.652	0.002	-	1.85E-03	1.23E-03	6.16E-04
CKR Landscape Deck	CKRLDSWB	23	0.195	1564	0.016	5.022	0.001	-	1.39E-03	9.30E-04	4.65E-04
CKR Landscape Deck	CKRLDSWB	24	0.195	1572	0.017	5.136	0.001	-	1.43E-03	9.51E-04	4.76E-04
CKR Landscape Deck	CKRLDNEB	1	0.195	1064	0.016	3.239	0.001	-	9.00E-04	6.00E-04	3.00E-04
CKR Landscape Deck	CKRLDNEB	2	1.195	1074	0.016	20.104	0.006	-	5.58E-03	3.72E-03	1.86E-03
CKR Landscape Deck	CKRLDNEB	3	2.195	540	0.016	18.379	0.005	-	5.11E-03	3.40E-03	1.70E-03
CKR Landscape Deck	CKRLDNEB	4	3.195	546	0.015	26.842	0.007	-	7.46E-03	4.97E-03	2.49E-03
CKR Landscape Deck	CKRLDNEB	5	4.195	550	0.015	35.708	0.010	-	9.92E-03	6.61E-03	3.31E-03
CKR Landscape Deck	CKRLDNEB	6	5.195	1105	0.015	88.546	0.025	-	2.46E-02	1.64E-02	8.20E-03
CKR Landscape Deck	CKRLDNEB	7	6.195	1674	0.015	160.098	0.044	-	4.45E-02	2.96E-02	1.48E-02
CKR Landscape Deck	CKRLDNEB	8	7.195	2811	0.015	298.281	0.083	-	8.29E-02	5.52E-02	2.76E-02
CKR Landscape Deck	CKRLDNEB	9	8.195	3964	0.014	468.520	0.130	-	1.30E-01	8.68E-02	4.34E-02
CKR Landscape Deck	CKRLDNEB	10	9.195	3364	0.015	456.660	0.127	-	1.27E-01	8.46E-02	4.23E-02
CKR Landscape Deck	CKRLDNEB	11	10.195	2771	0.015	418.292	0.116	-	1.16E-01	7.75E-02	3.87E-02
CKR Landscape Deck	CKRLDNEB	12	11.195	2742	0.015	456.538	0.127	-	1.27E-01	8.45E-02	4.23E-02
CKR Landscape Deck	CKRLDNEB	13	12.195	2711	0.015	494.469	0.137	-	1.37E-01	9.16E-02	4.58E-02
CKR Landscape Deck	CKRLDNEB	14	13.195	2683	0.015	530.357	0.147	-	1.47E-01	9.82E-02	4.91E-02
CKR Landscape Deck	CKRLDNEB	15	14.195	3184	0.015	680.774	0.189	-	1.89E-01	1.26E-01	6.30E-02
CKR Landscape Deck	CKRLDNEB	16	15.195	3150	0.015	726.775	0.202	-	2.02E-01	1.35E-01	6.73E-02
CKR Landscape Deck	CKRLDNEB	17	16.195	3112	0.015	766.696	0.213	-	2.13E-01	1.42E-01	7.10E-02
CKR Landscape Deck	CKRLDNEB	18	17.195	3076	0.015	807.444	0.224	-	2.24E-01	1.50E-01	7.48E-02
CKR Landscape Deck	CKRLDNEB	19	18.195	3549	0.015	990.981	0.275	-	2.75E-01	1.84E-01	9.18E-02
CKR Landscape Deck	CKRLDNEB	20	19.195	2556	0.015	751.135	0.209	-	2.09E-01	1.39E-01	6.95E-02
CKR Landscape Deck	CKRLDNEB	21	20.195	2061	0.016	659.176	0.183	-	1.83E-01	1.22E-01	6.10E-02
CKR Landscape Deck	CKRLDNEB	22	21.195	2079	0.016	698.333	0.194	-	1.94E-01	1.29E-01	6.47E-02
CKR Landscape Deck	CKRLDNEB	23	22.195	1571	0.016	550.933	0.153	-	1.53E-01	1.02E-01	5.10E-02
CKR Landscape Deck	CKRLDNEB	24	23.195	1585	0.016	578.026	0.161	-	1.61E-01	1.07E-01	5.35E-02

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009)
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehiclar Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To Vent. BLD. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1064	0.016	33.222	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1074	0.016	33.646	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	540	0.016	16.746	0.005	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	546	0.015	16.802	0.005	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	550	0.015	17.024	0.005	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1105	0.015	34.089	0.009	0.007	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1674	0.015	51.686	0.014	0.010	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	2811	0.015	82.913	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	3964	0.014	114.343	0.032	0.023	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3364	0.015	99.328	0.028	0.020	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	2771	0.015	82.058	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	2742	0.015	81.561	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	2711	0.015	81.094	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	2683	0.015	80.388	0.022	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3184	0.015	95.917	0.027	0.019	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3150	0.015	95.660	0.027	0.019	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3112	0.015	94.683	0.026	0.018	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3076	0.015	93.916	0.026	0.019	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	3549	0.015	108.929	0.030	0.021	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2556	0.015	78.264	0.022	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2061	0.016	65.281	0.018	0.013	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2079	0.016	65.896	0.018	0.013	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1571	0.016	49.645	0.014	0.010	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1585	0.016	49.841	0.014	0.010	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1064	0.016	29.069	0.008	-	1.44E-02	1.30E-02	1.44E-03	9.63E-04	4.81E-04
CKR Tunnel	CKRTEEB	2	1.75	1074	0.016	29.440	0.008	-	1.46E-02	1.32E-02	1.46E-03	9.75E-04	4.88E-04
CKR Tunnel	CKRTEEB	3	1.75	540	0.016	14.653	0.004	-	7.27E-03	6.55E-03	7.27E-04	4.85E-04	2.42E-04
CKR Tunnel	CKRTEEB	4	1.75	546	0.015	14.702	0.004	-	7.30E-03	6.57E-03	7.30E-04	4.87E-04	2.43E-04
CKR Tunnel	CKRTEEB	5	1.75	550	0.015	14.896	0.004	-	7.40E-03	6.66E-03	7.40E-04	4.93E-04	2.47E-04
CKR Tunnel	CKRTEEB	6	1.75	1105	0.015	29.828	0.008	-	1.48E-02	1.33E-02	1.48E-03	9.87E-04	4.94E-04
CKR Tunnel	CKRTEEB	7	1.75	1674	0.015	45.225	0.013	-	2.25E-02	2.02E-02	2.25E-03	1.50E-03	7.49E-04
CKR Tunnel	CKRTEEB	8	1.75	2811	0.015	72.549	0.020	-	3.64E-02	3.27E-02	3.64E-03	2.42E-03	1.21E-03
CKR Tunnel	CKRTEEB	9	1.75	3964	0.014	100.050	0.028	-	5.03E-02	4.53E-02	5.03E-03	3.36E-03	1.68E-03
CKR Tunnel	CKRTEEB	10	1.75	3364	0.015	86.912	0.024	-	4.37E-02	3.94E-02	4.37E-03	2.92E-03	1.46E-03
CKR Tunnel	CKRTEEB	11	1.75	2771	0.015	71.801	0.020	-	3.59E-02	3.23E-02	3.59E-03	2.40E-03	1.20E-03
CKR Tunnel	CKRTEEB	12	1.75	2742	0.015	71.366	0.020	-	3.58E-02	3.22E-02	3.58E-03	2.38E-03	1.19E-03
CKR Tunnel	CKRTEEB	13	1.75	2711	0.015	70.957	0.020	-	3.56E-02	3.20E-02	3.56E-03	2.37E-03	1.19E-03
CKR Tunnel	CKRTEEB	14	1.75	2683	0.015	70.339	0.020	-	3.53E-02	3.17E-02	3.53E-03	2.35E-03	1.18E-03
CKR Tunnel	CKRTEEB	15	1.75	3184	0.015	83.928	0.023	-	4.21E-02	3.79E-02	4.21E-03	2.80E-03	1.40E-03
CKR Tunnel	CKRTEEB	16	1.75	3150	0.015	83.702	0.023	-	4.19E-02	3.77E-02	4.19E-03	2.79E-03	1.40E-03
CKR Tunnel	CKRTEEB	17	1.75	3112	0.015	82.848	0.023	-	4.15E-02	3.73E-02	4.15E-03	2.76E-03	1.38E-03
CKR Tunnel	CKRTEEB	18	1.75	3076	0.015	82.177	0.023	-	4.13E-02	3.72E-02	4.13E-03	2.76E-03	1.38E-03
CKR Tunnel	CKRTEEB	19	1.75	3549	0.015	95.313	0.026	-	4.80E-02	4.32E-02	4.80E-03	3.20E-03	1.60E-03
CKR Tunnel	CKRTEEB	20	1.75	2556	0.015	68.481	0.019	-	3.43E-02	3.08E-02	3.43E-03	2.28E-03	1.14E-03
CKR Tunnel	CKRTEEB	21	1.75	2061	0.016	57.121	0.016	-	2.84E-02	2.56E-02	2.84E-03	1.89E-03	9.47E-04
CKR Tunnel	CKRTEEB	22	1.75	2079	0.016	57.659	0.016	-	2.87E-02	2.58E-02	2.87E-03	1.91E-03	9.56E-04
CKR Tunnel	CKRTEEB	23	1.75	1571	0.016	43.439	0.012	-	2.16E-02	1.95E-02	2.16E-03	1.44E-03	7.20E-04
CKR Tunnel	CKRTEEB	24	1.75	1585	0.016	43.610	0.012	-	2.17E-02	1.95E-02	2.17E-03	1.44E-03	7.22E-04
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.013	-	2.60E-03	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.013	-	2.63E-03	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.007	-	1.31E-03	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.007	-	1.31E-03	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.007	-	1.33E-03	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.013	-	2.67E-03	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.020	-	4.05E-03	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.033	-	6.54E-03	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.045	-	9.06E-03	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.039	-	7.87E-03	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.032	-	6.47E-03	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.032	-	6.44E-03	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.032	-	6.40E-03	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.032	-	6.35E-03	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.038	-	7.57E-03	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.038	-	7.54E-03	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.037	-	7.46E-03	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.037	-	7.44E-03	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.043	-	8.63E-03	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.031	-	6.17E-03	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.026	-	5.12E-03	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.026	-	5.16E-03	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.019	-	3.89E-03	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.019	-	3.90E-03	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO2 and 80% of RSP and it is assumed that there is 7.5% NO2 among Nox from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	601	0.013	9.408	0.003	-	1.31E-03	8.71E-04	4.36E-04
Kai Tak Tunnel	KTTE	2	1.23	593	0.013	9.305	0.003	-	1.29E-03	8.62E-04	4.31E-04
Kai Tak Tunnel	KTTE	3	1.23	294	0.013	4.612	0.001	-	6.41E-04	4.27E-04	2.14E-04
Kai Tak Tunnel	KTTE	4	1.23	289	0.013	4.571	0.001	-	6.35E-04	4.23E-04	2.12E-04
Kai Tak Tunnel	KTTE	5	1.23	286	0.013	4.518	0.001	-	6.27E-04	4.18E-04	2.09E-04
Kai Tak Tunnel	KTTE	6	1.23	566	0.013	8.950	0.002	-	1.24E-03	8.29E-04	4.14E-04
Kai Tak Tunnel	KTTE	7	1.23	836	0.013	13.270	0.004	-	1.84E-03	1.23E-03	6.14E-04
Kai Tak Tunnel	KTTE	8	1.23	1376	0.013	21.812	0.006	-	3.03E-03	2.02E-03	1.01E-03
Kai Tak Tunnel	KTTE	9	1.23	1901	0.013	31.049	0.009	-	4.31E-03	2.87E-03	1.44E-03
Kai Tak Tunnel	KTTE	10	1.23	1661	0.013	26.739	0.007	-	3.71E-03	2.48E-03	1.24E-03
Kai Tak Tunnel	KTTE	11	1.23	1409	0.013	22.310	0.006	-	3.10E-03	2.07E-03	1.03E-03
Kai Tak Tunnel	KTTE	12	1.23	1431	0.013	22.415	0.006	-	3.11E-03	2.08E-03	1.04E-03
Kai Tak Tunnel	KTTE	13	1.23	1457	0.013	22.767	0.006	-	3.16E-03	2.11E-03	1.05E-03
Kai Tak Tunnel	KTTE	14	1.23	1479	0.013	22.843	0.006	-	3.17E-03	2.12E-03	1.06E-03
Kai Tak Tunnel	KTTE	15	1.23	1809	0.013	28.594	0.008	-	3.97E-03	2.65E-03	1.32E-03
Kai Tak Tunnel	KTTE	16	1.23	1838	0.013	29.060	0.008	-	4.04E-03	2.69E-03	1.35E-03
Kai Tak Tunnel	KTTE	17	1.23	1869	0.013	29.610	0.008	-	4.11E-03	2.74E-03	1.37E-03
Kai Tak Tunnel	KTTE	18	1.23	1899	0.013	30.052	0.008	-	4.17E-03	2.78E-03	1.39E-03
Kai Tak Tunnel	KTTE	19	1.23	2251	0.013	35.585	0.010	-	4.94E-03	3.29E-03	1.65E-03
Kai Tak Tunnel	KTTE	20	1.23	1588	0.013	25.003	0.007	-	3.47E-03	2.32E-03	1.16E-03
Kai Tak Tunnel	KTTE	21	1.23	1257	0.013	19.366	0.005	-	2.69E-03	1.79E-03	8.97E-04
Kai Tak Tunnel	KTTE	22	1.23	1242	0.013	19.213	0.005	-	2.67E-03	1.78E-03	8.89E-04
Kai Tak Tunnel	KTTE	23	1.23	921	0.013	14.332	0.004	-	1.99E-03	1.33E-03	6.64E-04
Kai Tak Tunnel	KTTE	24	1.23	910	0.013	14.203	0.004	-	1.97E-03	1.32E-03	6.58E-04
Kai Tak Tunnel	KTTW	1	1.23	639	0.016	12.271	0.003	-	1.70E-03	1.14E-03	5.68E-04
Kai Tak Tunnel	KTTW	2	1.23	653	0.015	12.400	0.003	-	1.72E-03	1.15E-03	5.74E-04
Kai Tak Tunnel	KTTW	3	1.23	331	0.015	6.264	0.002	-	8.70E-04	5.80E-04	2.90E-04
Kai Tak Tunnel	KTTW	4	1.23	338	0.015	6.328	0.002	-	8.79E-04	5.86E-04	2.93E-04
Kai Tak Tunnel	KTTW	5	1.23	345	0.015	6.468	0.002	-	8.98E-04	5.99E-04	2.99E-04
Kai Tak Tunnel	KTTW	6	1.23	706	0.016	13.737	0.004	-	1.91E-03	1.27E-03	6.36E-04
Kai Tak Tunnel	KTTW	7	1.23	1073	0.015	20.453	0.006	-	2.84E-03	1.89E-03	9.47E-04
Kai Tak Tunnel	KTTW	8	1.23	1823	0.016	35.089	0.010	-	4.87E-03	3.25E-03	1.62E-03
Kai Tak Tunnel	KTTW	9	1.23	2595	0.016	50.457	0.014	-	7.01E-03	4.67E-03	2.34E-03
Kai Tak Tunnel	KTTW	10	1.23	2170	0.016	41.760	0.012	-	5.80E-03	3.87E-03	1.93E-03
Kai Tak Tunnel	KTTW	11	1.23	1764	0.016	33.709	0.009	-	4.68E-03	3.12E-03	1.56E-03
Kai Tak Tunnel	KTTW	12	1.23	1719	0.015	32.716	0.009	-	4.54E-03	3.03E-03	1.51E-03
Kai Tak Tunnel	KTTW	13	1.23	1677	0.015	31.910	0.009	-	4.43E-03	2.95E-03	1.48E-03
Kai Tak Tunnel	KTTW	14	1.23	1630	0.015	30.896	0.009	-	4.29E-03	2.86E-03	1.43E-03
Kai Tak Tunnel	KTTW	15	1.23	1905	0.016	36.898	0.010	-	5.12E-03	3.42E-03	1.71E-03
Kai Tak Tunnel	KTTW	16	1.23	1850	0.016	35.738	0.010	-	4.96E-03	3.31E-03	1.65E-03
Kai Tak Tunnel	KTTW	17	1.23	1799	0.016	35.028	0.010	-	4.87E-03	3.24E-03	1.62E-03
Kai Tak Tunnel	KTTW	18	1.23	1743	0.016	33.705	0.009	-	4.68E-03	3.12E-03	1.56E-03
Kai Tak Tunnel	KTTW	19	1.23	1973	0.016	38.238	0.011	-	5.31E-03	3.54E-03	1.77E-03
Kai Tak Tunnel	KTTW	20	1.23	1441	0.016	27.704	0.008	-	3.85E-03	2.57E-03	1.28E-03
Kai Tak Tunnel	KTTW	21	1.23	1179	0.015	22.462	0.006	-	3.12E-03	2.08E-03	1.04E-03
Kai Tak Tunnel	KTTW	22	1.23	1203	0.015	22.787	0.006	-	3.16E-03	2.11E-03	1.05E-03
Kai Tak Tunnel	KTTW	23	1.23	921	0.016	17.739	0.005	-	2.46E-03	1.64E-03	8.21E-04
Kai Tak Tunnel	KTTW	24	1.23	941	0.016	17.980	0.005	-	2.50E-03	1.66E-03	8.32E-04
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	3.01E-03	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	3.01E-03	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	1.51E-03	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	1.51E-03	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	1.53E-03	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	3.15E-03	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	4.68E-03	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	7.90E-03	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	1.13E-02	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	9.51E-03	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	7.78E-03	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	7.66E-03	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	7.59E-03	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	7.46E-03	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	9.10E-03	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	9.00E-03	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	8.98E-03	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	8.86E-03	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	1.03E-02	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	7.32E-03	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	5.81E-03	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	5.83E-03	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	4.45E-03	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	4.47E-03	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	219	0.010	0.285	0.000	-	7.93E-05	5.29E-05	2.64E-05
D2 Landscape Deck	D2ENB	2	0.125	217	0.010	0.284	0.000	-	7.90E-05	5.26E-05	2.63E-05
D2 Landscape Deck	D2ENB	3	0.125	106	0.010	0.135	0.000	-	3.76E-05	2.51E-05	1.25E-05
D2 Landscape Deck	D2ENB	4	0.125	104	0.010	0.134	0.000	-	3.72E-05	2.48E-05	1.24E-05
D2 Landscape Deck	D2ENB	5	0.125	103	0.010	0.133	0.000	-	3.70E-05	2.47E-05	1.23E-05
D2 Landscape Deck	D2ENB	6	0.125	202	0.011	0.269	0.000	-	7.47E-05	4.98E-05	2.49E-05
D2 Landscape Deck	D2ENB	7	0.125	299	0.011	0.406	0.000	-	1.13E-04	7.51E-05	3.76E-05
D2 Landscape Deck	D2ENB	8	0.125	490	0.010	0.641	0.000	-	1.78E-04	1.19E-04	5.93E-05
D2 Landscape Deck	D2ENB	9	0.125	674	0.011	0.897	0.000	-	2.49E-04	1.66E-04	8.31E-05
D2 Landscape Deck	D2ENB	10	0.125	593	0.011	0.782	0.000	-	2.17E-04	1.45E-04	7.24E-05
D2 Landscape Deck	D2ENB	11	0.125	505	0.010	0.652	0.000	-	1.81E-04	1.21E-04	6.04E-05
D2 Landscape Deck	D2ENB	12	0.125	517	0.010	0.666	0.000	-	1.85E-04	1.23E-04	6.17E-05
D2 Landscape Deck	D2ENB	13	0.125	529	0.010	0.675	0.000	-	1.88E-04	1.25E-04	6.25E-05
D2 Landscape Deck	D2ENB	14	0.125	540	0.010	0.689	0.000	-	1.91E-04	1.28E-04	6.38E-05
D2 Landscape Deck	D2ENB	15	0.125	664	0.010	0.853	0.000	-	2.37E-04	1.58E-04	7.90E-05
D2 Landscape Deck	D2ENB	16	0.125	678	0.010	0.869	0.000	-	2.41E-04	1.61E-04	8.04E-05
D2 Landscape Deck	D2ENB	17	0.125	691	0.010	0.883	0.000	-	2.45E-04	1.64E-04	8.18E-05
D2 Landscape Deck	D2ENB	18	0.125	705	0.010	0.898	0.000	-	2.50E-04	1.66E-04	8.32E-05
D2 Landscape Deck	D2ENB	19	0.125	1140	0.010	1.378	0.000	-	3.83E-04	2.55E-04	1.28E-04

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	895	0.010	1.109	0.000	-	3.08E-04	2.05E-04	1.03E-04
D2 Landscape Deck	D2ENB	21	0.125	466	0.010	0.578	0.000	-	1.61E-04	1.07E-04	5.36E-05
D2 Landscape Deck	D2ENB	22	0.125	459	0.010	0.572	0.000	-	1.59E-04	1.06E-04	5.29E-05
D2 Landscape Deck	D2ENB	23	0.125	530	0.010	0.632	0.000	-	1.76E-04	1.17E-04	5.85E-05
D2 Landscape Deck	D2ENB	24	0.125	526	0.010	0.629	0.000	-	1.75E-04	1.17E-04	5.83E-05
D2 Landscape Deck	D2MSB	1	0.125	237	0.010	0.301	0.000	-	8.37E-05	5.58E-05	2.79E-05
D2 Landscape Deck	D2MSB	2	0.125	248	0.010	0.306	0.000	-	8.49E-05	5.66E-05	2.83E-05
D2 Landscape Deck	D2MSB	3	0.125	129	0.010	0.157	0.000	-	4.36E-05	2.91E-05	1.45E-05
D2 Landscape Deck	D2MSB	4	0.125	134	0.010	0.163	0.000	-	4.51E-05	3.01E-05	1.50E-05
D2 Landscape Deck	D2MSB	5	0.125	141	0.010	0.168	0.000	-	4.66E-05	3.11E-05	1.55E-05
D2 Landscape Deck	D2MSB	6	0.125	295	0.011	0.399	0.000	-	1.11E-04	7.40E-05	3.70E-05
D2 Landscape Deck	D2MSB	7	0.125	456	0.010	0.581	0.000	-	1.61E-04	1.08E-04	5.38E-05
D2 Landscape Deck	D2MSB	8	0.125	792	0.010	1.015	0.000	-	2.82E-04	1.88E-04	9.40E-05
D2 Landscape Deck	D2MSB	9	0.125	1146	0.010	1.453	0.000	-	4.04E-04	2.69E-04	1.35E-04
D2 Landscape Deck	D2MSB	10	0.125	935	0.010	1.173	0.000	-	3.26E-04	2.17E-04	1.09E-04
D2 Landscape Deck	D2MSB	11	0.125	737	0.010	0.907	0.000	-	2.52E-04	1.68E-04	8.40E-05
D2 Landscape Deck	D2MSB	12	0.125	699	0.010	0.864	0.000	-	2.40E-04	1.60E-04	8.00E-05
D2 Landscape Deck	D2MSB	13	0.125	660	0.010	0.839	0.000	-	2.33E-04	1.55E-04	7.77E-05
D2 Landscape Deck	D2MSB	14	0.125	618	0.010	0.748	0.000	-	2.08E-04	1.39E-04	6.93E-05
D2 Landscape Deck	D2MSB	15	0.125	696	0.010	0.866	0.000	-	2.41E-04	1.60E-04	8.02E-05
D2 Landscape Deck	D2MSB	16	0.125	646	0.010	0.774	0.000	-	2.15E-04	1.43E-04	7.17E-05
D2 Landscape Deck	D2MSB	17	0.125	601	0.010	0.747	0.000	-	2.08E-04	1.38E-04	6.92E-05
D2 Landscape Deck	D2MSB	18	0.125	550	0.009	0.645	0.000	-	1.79E-04	1.19E-04	5.97E-05
D2 Landscape Deck	D2MSB	19	0.125	750	0.009	0.832	0.000	-	2.31E-04	1.54E-04	7.70E-05
D2 Landscape Deck	D2MSB	20	0.125	611	0.009	0.686	0.000	-	1.91E-04	1.27E-04	6.35E-05
D2 Landscape Deck	D2MSB	21	0.125	382	0.010	0.457	0.000	-	1.27E-04	8.46E-05	4.23E-05
D2 Landscape Deck	D2MSB	22	0.125	403	0.009	0.467	0.000	-	1.30E-04	8.64E-05	4.32E-05
D2 Landscape Deck	D2MSB	23	0.125	625	0.009	0.698	0.000	-	1.94E-04	1.29E-04	6.46E-05
D2 Landscape Deck	D2MSB	24	0.125	641	0.009	0.708	0.000	-	1.97E-04	1.31E-04	6.55E-05
D2 Landscape Deck	D2MNB	1	0.0374	238	0.010	0.089	0.000	-	2.47E-05	1.65E-05	8.24E-06
D2 Landscape Deck	D2MNB	2	0.0374	231	0.010	0.087	0.000	-	2.41E-05	1.61E-05	8.03E-06
D2 Landscape Deck	D2MNB	3	0.0374	112	0.010	0.041	0.000	-	1.13E-05	7.53E-06	3.76E-06
D2 Landscape Deck	D2MNB	4	0.0374	110	0.010	0.040	0.000	-	1.12E-05	7.46E-06	3.73E-06
D2 Landscape Deck	D2MNB	5	0.0374	106	0.010	0.040	0.000	-	1.10E-05	7.33E-06	3.67E-06
D2 Landscape Deck	D2MNB	6	0.0374	209	0.010	0.080	0.000	-	2.21E-05	1.47E-05	7.36E-06
D2 Landscape Deck	D2MNB	7	0.0374	304	0.011	0.122	0.000	-	3.38E-05	2.25E-05	1.13E-05
D2 Landscape Deck	D2MNB	8	0.0374	493	0.010	0.187	0.000	-	5.20E-05	3.47E-05	1.73E-05
D2 Landscape Deck	D2MNB	9	0.0374	672	0.011	0.266	0.000	-	7.40E-05	4.93E-05	2.47E-05
D2 Landscape Deck	D2MNB	10	0.0374	597	0.010	0.225	0.000	-	6.26E-05	4.17E-05	2.09E-05
D2 Landscape Deck	D2MNB	11	0.0374	517	0.010	0.189	0.000	-	5.26E-05	3.51E-05	1.75E-05
D2 Landscape Deck	D2MNB	12	0.0374	536	0.010	0.193	0.000	-	5.35E-05	3.57E-05	1.78E-05
D2 Landscape Deck	D2MNB	13	0.0374	558	0.010	0.201	0.000	-	5.59E-05	3.73E-05	1.86E-05
D2 Landscape Deck	D2MNB	14	0.0374	577	0.010	0.209	0.000	-	5.80E-05	3.87E-05	1.93E-05
D2 Landscape Deck	D2MNB	15	0.0374	718	0.010	0.259	0.000	-	7.18E-05	4.79E-05	2.39E-05
D2 Landscape Deck	D2MNB	16	0.0374	741	0.009	0.262	0.000	-	7.27E-05	4.85E-05	2.42E-05
D2 Landscape Deck	D2MNB	17	0.0374	764	0.009	0.267	0.000	-	7.42E-05	4.94E-05	2.47E-05
D2 Landscape Deck	D2MNB	18	0.0374	788	0.009	0.268	0.000	-	7.45E-05	4.97E-05	2.48E-05
D2 Landscape Deck	D2MNB	19	0.0374	1341	0.009	0.451	0.000	-	1.25E-04	8.35E-05	4.18E-05
D2 Landscape Deck	D2MNB	20	0.0374	1054	0.009	0.347	0.000	-	9.65E-05	6.43E-05	3.22E-05
D2 Landscape Deck	D2MNB	21	0.0374	518	0.009	0.175	0.000	-	4.87E-05	3.25E-05	1.62E-05
D2 Landscape Deck	D2MNB	22	0.0374	506	0.009	0.173	0.000	-	4.81E-05	3.20E-05	1.60E-05
D2 Landscape Deck	D2MNB	23	0.0374	514	0.008	0.157	0.000	-	4.37E-05	2.91E-05	1.46E-05
D2 Landscape Deck	D2MNB	24	0.0374	503	0.008	0.155	0.000	-	4.31E-05	2.87E-05	1.44E-05
D2 Landscape Deck	D2WSB	1	0.0374	245	0.010	0.092	0.000	-	2.55E-05	1.70E-05	8.51E-06
D2 Landscape Deck	D2WSB	2	0.0374	254	0.010	0.093	0.000	-	2.58E-05	1.72E-05	8.60E-06
D2 Landscape Deck	D2WSB	3	0.0374	133	0.010	0.048	0.000	-	1.34E-05	8.93E-06	4.47E-06
D2 Landscape Deck	D2WSB	4	0.0374	139	0.010	0.050	0.000	-	1.39E-05	9.27E-06	4.64E-06
D2 Landscape Deck	D2WSB	5	0.0374	143	0.009	0.050	0.000	-	1.40E-05	9.33E-06	4.67E-06
D2 Landscape Deck	D2WSB	6	0.0374	300	0.011	0.120	0.000	-	3.34E-05	2.23E-05	1.11E-05
D2 Landscape Deck	D2WSB	7	0.0374	462	0.010	0.175	0.000	-	4.85E-05	3.23E-05	1.62E-05
D2 Landscape Deck	D2WSB	8	0.0374	799	0.010	0.306	0.000	-	8.49E-05	5.66E-05	2.83E-05
D2 Landscape Deck	D2WSB	9	0.0374	1153	0.010	0.436	0.000	-	1.21E-04	8.08E-05	4.04E-05
D2 Landscape Deck	D2WSB	10	0.0374	943	0.010	0.352	0.000	-	9.77E-05	6.51E-05	3.26E-05
D2 Landscape Deck	D2WSB	11	0.0374	752	0.010	0.283	0.000	-	7.87E-05	5.25E-05	2.62E-05
D2 Landscape Deck	D2WSB	12	0.0374	715	0.010	0.267	0.000	-	7.42E-05	4.94E-05	2.47E-05
D2 Landscape Deck	D2WSB	13	0.0374	677	0.010	0.257	0.000	-	7.14E-05	4.76E-05	2.38E-05
D2 Landscape Deck	D2WSB	14	0.0374	639	0.010	0.234	0.000	-	6.49E-05	4.33E-05	2.16E-05
D2 Landscape Deck	D2WSB	15	0.0374	725	0.010	0.271	0.000	-	7.53E-05	5.02E-05	2.51E-05
D2 Landscape Deck	D2WSB	16	0.0374	680	0.010	0.244	0.000	-	6.78E-05	4.52E-05	2.26E-05
D2 Landscape Deck	D2WSB	17	0.0374	636	0.010	0.238	0.000	-	6.60E-05	4.40E-05	2.20E-05
D2 Landscape Deck	D2WSB	18	0.0374	590	0.010	0.210	0.000	-	5.84E-05	3.89E-05	1.95E-05
D2 Landscape Deck	D2WSB	19	0.0374	816	0.009	0.288	0.000	-	8.00E-05	5.33E-05	2.67E-05
D2 Landscape Deck	D2WSB	20	0.0374	661	0.009	0.234	0.000	-	6.49E-05	4.33E-05	2.16E-05
D2 Landscape Deck	D2WSB	21	0.0374	406	0.010	0.146	0.000	-	4.06E-05	2.71E-05	1.35E-05
D2 Landscape Deck	D2WSB	22	0.0374	428	0.010	0.156	0.000	-	4.33E-05	2.89E-05	1.44E-05
D2 Landscape Deck	D2WSB	23	0.0374	820	0.010	0.293	0.000	-	8.13E-05	5.42E-05	2.71E-05
D2 Landscape Deck	D2WSB	24	0.0374	834	0.009	0.295	0.000	-	8.21E-05	5.47E-05	2.74E-05
CKR Slip Road	S3SB	1	0.103	316	0.017	0.553	0.000	-	1.54E-04	1.02E-04	5.12E-05
CKR Slip Road	S3SB	2	0.103	320	0.017	0.545	0.000	-	1.51E-04	1.01E-04	5.04E-05
CKR Slip Road	S3SB	3	0.103	164	0.016	0.266	0.000	-	7.40E-05	4.93E-05	2.47E-05
CKR Slip Road	S3SB	4	0.103	167	0.015	0.265	0.000	-	7.37E-05	4.91E-05	2.46E-05
CKR Slip Road	S3SB	5	0.103	168	0.015	0.265	0.000	-	7.35E-05	4.90E-05	2.45E-05
CKR Slip Road	S3SB	6	0.103	342	0.015	0.521	0.000	-	1.45E-04	9.65E-05	4.82E-05
CKR Slip Road	S3SB	7	0.103	524	0.015	0.816	0.000	-	2.27E-04	1.51E-04	7.55E-05
CKR Slip Road	S3SB	8	0.103	885	0.014	1.314	0.000	-	3.65E-04	2.43E-04	1.22E-04
CKR Slip Road	S3SB	9	0.103	1256	0.014	1.869	0.001	-	5.19E-04	3.46E-04	1.73E-04
CKR Slip Road	S3SB	10	0.103	1053	0.014	1.571	0.000	-	4.36E-04	2.91E-04	1.45E-04
CKR Slip Road	S3SB	11	0.103	859	0.015	1.329	0.000	-	3.69E-04	2.46E-04	1.23E-04
CKR Slip Road	S3SB	12	0.103	839	0.015	1.323	0.000	-	3.67E-04	2.45E-04	1.22E-04
CKR Slip Road	S3SB	13	0.103	820	0.016	1.320	0.000	-	3.67E-04	2.44E-04	1.22E-04
CKR Slip Road	S3SB	14	0.103	802	0.016	1.346	0.000	-	3.74E-04	2.49E-04	1.25E-04
CKR Slip Road	S3SB	15	0.103	936	0.017	1.619	0.000	-	4.50E-04	3.00E-04	1.50E-04

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	16	0.103	914	0.017	1.641	0.000	-	4.56E-04	3.04E-04	1.52E-04
CKR Slip Road	S3SB	17	0.103	890	0.018	1.657	0.000	-	4.60E-04	3.07E-04	1.53E-04
CKR Slip Road	S3SB	18	0.103	869	0.019	1.659	0.000	-	4.61E-04	3.07E-04	1.54E-04
CKR Slip Road	S3SB	19	0.103	985	0.019	1.935	0.001	-	5.38E-04	3.58E-04	1.79E-04
CKR Slip Road	S3SB	20	0.103	718	0.019	1.374	0.000	-	3.82E-04	2.54E-04	1.27E-04
CKR Slip Road	S3SB	21	0.103	587	0.018	1.091	0.000	-	3.03E-04	2.02E-04	1.01E-04
CKR Slip Road	S3SB	22	0.103	597	0.018	1.081	0.000	-	3.00E-04	2.00E-04	1.00E-04
CKR Slip Road	S3SB	23	0.103	454	0.017	0.789	0.000	-	2.19E-04	1.46E-04	7.30E-05
CKR Slip Road	S3SB	24	0.103	463	0.017	0.825	0.000	-	2.29E-04	1.53E-04	7.64E-05
CKR Landscape Deck	CKRLDSWB	1	0.195	1060	0.017	3.480	0.001	-	9.67E-04	6.44E-04	3.22E-04
CKR Landscape Deck	CKRLDSWB	2	0.195	1063	0.017	3.492	0.001	-	9.70E-04	6.47E-04	3.23E-04
CKR Landscape Deck	CKRLDSWB	3	0.195	533	0.017	1.761	0.000	-	4.89E-04	3.26E-04	1.63E-04
CKR Landscape Deck	CKRLDSWB	4	0.195	536	0.017	1.772	0.000	-	4.92E-04	3.28E-04	1.64E-04
CKR Landscape Deck	CKRLDSWB	5	0.195	536	0.017	1.790	0.000	-	4.97E-04	3.32E-04	1.66E-04
CKR Landscape Deck	CKRLDSWB	6	0.195	1078	0.017	3.607	0.001	-	1.00E-03	6.68E-04	3.34E-04
CKR Landscape Deck	CKRLDSWB	7	0.195	1625	0.017	5.528	0.002	-	1.54E-03	1.02E-03	5.12E-04
CKR Landscape Deck	CKRLDSWB	8	0.195	2719	0.017	8.878	0.002	-	2.47E-03	1.64E-03	8.22E-04
CKR Landscape Deck	CKRLDSWB	9	0.195	3822	0.016	12.285	0.003	-	3.41E-03	2.27E-03	1.14E-03
CKR Landscape Deck	CKRLDSWB	10	0.195	3258	0.017	10.595	0.003	-	2.94E-03	1.96E-03	9.81E-04
CKR Landscape Deck	CKRLDSWB	11	0.195	2700	0.017	8.722	0.002	-	2.42E-03	1.62E-03	8.08E-04
CKR Landscape Deck	CKRLDSWB	12	0.195	2687	0.017	8.658	0.002	-	2.41E-03	1.60E-03	8.02E-04
CKR Landscape Deck	CKRLDSWB	13	0.195	2670	0.016	8.473	0.002	-	2.35E-03	1.57E-03	7.85E-04
CKR Landscape Deck	CKRLDSWB	14	0.195	2657	0.016	8.401	0.002	-	2.33E-03	1.56E-03	7.78E-04
CKR Landscape Deck	CKRLDSWB	15	0.195	3170	0.016	9.918	0.003	-	2.75E-03	1.84E-03	9.18E-04
CKR Landscape Deck	CKRLDSWB	16	0.195	3154	0.016	9.795	0.003	-	2.72E-03	1.81E-03	9.07E-04
CKR Landscape Deck	CKRLDSWB	17	0.195	3134	0.016	9.629	0.003	-	2.67E-03	1.78E-03	8.92E-04
CKR Landscape Deck	CKRLDSWB	18	0.195	3116	0.016	9.481	0.003	-	2.63E-03	1.76E-03	8.78E-04
CKR Landscape Deck	CKRLDSWB	19	0.195	3644	0.015	10.943	0.003	-	3.04E-03	2.03E-03	1.01E-03
CKR Landscape Deck	CKRLDSWB	20	0.195	2622	0.015	7.914	0.002	-	2.20E-03	1.47E-03	7.33E-04
CKR Landscape Deck	CKRLDSWB	21	0.195	2083	0.016	6.648	0.002	-	1.85E-03	1.23E-03	6.16E-04
CKR Landscape Deck	CKRLDSWB	22	0.195	2091	0.016	6.694	0.002	-	1.86E-03	1.24E-03	6.20E-04
CKR Landscape Deck	CKRLDSWB	23	0.195	1655	0.016	5.254	0.001	-	1.46E-03	9.73E-04	4.86E-04
CKR Landscape Deck	CKRLDSWB	24	0.195	1662	0.017	5.366	0.001	-	1.49E-03	9.94E-04	4.97E-04
CKR Landscape Deck	CKRLDNEB	1	0.195	1072	0.016	3.276	0.001	-	9.10E-04	6.07E-04	3.03E-04
CKR Landscape Deck	CKRLDNEB	2	1.195	1080	0.016	20.129	0.006	-	5.59E-03	3.73E-03	1.86E-03
CKR Landscape Deck	CKRLDNEB	3	2.195	543	0.015	18.472	0.005	-	5.13E-03	3.42E-03	1.71E-03
CKR Landscape Deck	CKRLDNEB	4	3.195	548	0.015	26.865	0.007	-	7.46E-03	4.97E-03	2.49E-03
CKR Landscape Deck	CKRLDNEB	5	4.195	553	0.016	36.697	0.010	-	1.02E-02	6.80E-03	3.40E-03
CKR Landscape Deck	CKRLDNEB	6	5.195	1114	0.015	88.893	0.025	-	2.47E-02	1.65E-02	8.23E-03
CKR Landscape Deck	CKRLDNEB	7	6.195	1682	0.015	160.482	0.045	-	4.46E-02	2.97E-02	1.49E-02
CKR Landscape Deck	CKRLDNEB	8	7.195	2823	0.015	299.126	0.083	-	8.31E-02	5.54E-02	2.77E-02
CKR Landscape Deck	CKRLDNEB	9	8.195	3981	0.014	470.778	0.131	-	1.31E-01	8.72E-02	4.36E-02
CKR Landscape Deck	CKRLDNEB	10	9.195	3377	0.015	457.384	0.127	-	1.27E-01	8.47E-02	4.24E-02
CKR Landscape Deck	CKRLDNEB	11	10.195	2784	0.015	419.952	0.117	-	1.17E-01	7.78E-02	3.89E-02
CKR Landscape Deck	CKRLDNEB	12	11.195	2758	0.015	458.837	0.127	-	1.27E-01	8.50E-02	4.25E-02
CKR Landscape Deck	CKRLDNEB	13	12.195	2729	0.015	497.406	0.138	-	1.38E-01	9.21E-02	4.61E-02
CKR Landscape Deck	CKRLDNEB	14	13.195	2700	0.015	534.720	0.149	-	1.49E-01	9.90E-02	4.95E-02
CKR Landscape Deck	CKRLDNEB	15	14.195	3207	0.015	687.794	0.191	-	1.91E-01	1.27E-01	6.37E-02
CKR Landscape Deck	CKRLDNEB	16	15.195	3173	0.015	730.445	0.203	-	2.03E-01	1.35E-01	6.76E-02
CKR Landscape Deck	CKRLDNEB	17	16.195	3139	0.015	773.441	0.215	-	2.15E-01	1.43E-01	7.16E-02
CKR Landscape Deck	CKRLDNEB	18	17.195	3105	0.015	815.711	0.227	-	2.27E-01	1.51E-01	7.55E-02
CKR Landscape Deck	CKRLDNEB	19	18.195	3671	0.015	1018.476	0.283	-	2.83E-01	1.89E-01	9.43E-02
CKR Landscape Deck	CKRLDNEB	20	19.195	2667	0.015	778.543	0.216	-	2.16E-01	1.44E-01	7.21E-02
CKR Landscape Deck	CKRLDNEB	21	20.195	2079	0.016	663.861	0.184	-	1.84E-01	1.23E-01	6.15E-02
CKR Landscape Deck	CKRLDNEB	22	21.195	2096	0.016	702.364	0.195	-	1.95E-01	1.30E-01	6.50E-02
CKR Landscape Deck	CKRLDNEB	23	22.195	1613	0.016	560.977	0.156	-	1.56E-01	1.04E-01	5.19E-02
CKR Landscape Deck	CKRLDNEB	24	23.195	1628	0.016	589.429	0.164	-	1.64E-01	1.09E-01	5.46E-02

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009)
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehiclar Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To Vent. BLD. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1072	0.016	33.604	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1080	0.016	33.689	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	543	0.015	16.831	0.005	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	548	0.015	16.817	0.005	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	553	0.016	17.496	0.005	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1114	0.015	34.223	0.010	0.007	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1682	0.015	51.810	0.014	0.010	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	2823	0.015	83.148	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	3981	0.014	114.894	0.032	0.023	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3377	0.015	99.485	0.028	0.020	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	2784	0.015	82.384	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	2758	0.015	81.972	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	2729	0.015	81.575	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	2700	0.015	81.049	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3207	0.015	96.907	0.027	0.019	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3173	0.015	96.143	0.027	0.019	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3139	0.015	95.516	0.027	0.019	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3105	0.015	94.878	0.026	0.019	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	3671	0.015	111.951	0.031	0.022	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2667	0.015	81.119	0.023	0.016	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2079	0.016	65.745	0.018	0.013	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2096	0.016	66.276	0.018	0.013	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1613	0.016	50.550	0.014	0.010	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1628	0.016	50.824	0.014	0.010	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1072	0.016	29.403	0.008	-	1.46E-02	1.31E-02	1.46E-03	9.74E-04	4.87E-04
CKR Tunnel	CKRTEEB	2	1.75	1080	0.016	29.478	0.008	-	1.46E-02	1.32E-02	1.46E-03	9.77E-04	4.88E-04
CKR Tunnel	CKRTEEB	3	1.75	543	0.015	14.727	0.004	-	7.31E-03	6.58E-03	7.31E-04	4.87E-04	2.44E-04
CKR Tunnel	CKRTEEB	4	1.75	548	0.015	14.715	0.004	-	7.30E-03	6.57E-03	7.30E-04	4.87E-04	2.43E-04
CKR Tunnel	CKRTEEB	5	1.75	553	0.016	15.309	0.004	-	7.60E-03	6.84E-03	7.60E-04	5.07E-04	2.53E-04
CKR Tunnel	CKRTEEB	6	1.75	1114	0.015	29.945	0.008	-	1.49E-02	1.34E-02	1.49E-03	9.91E-04	4.96E-04
CKR Tunnel	CKRTEEB	7	1.75	1682	0.015	45.334	0.013	-	2.25E-02	2.03E-02	2.25E-03	1.50E-03	7.51E-04
CKR Tunnel	CKRTEEB	8	1.75	2823	0.015	72.755	0.020	-	3.65E-02	3.28E-02	3.65E-03	2.43E-03	1.22E-03
CKR Tunnel	CKRTEEB	9	1.75	3981	0.014	100.532	0.028	-	5.06E-02	4.55E-02	5.06E-03	3.37E-03	1.69E-03
CKR Tunnel	CKRTEEB	10	1.75	3377	0.015	87.050	0.024	-	4.38E-02	3.94E-02	4.38E-03	2.92E-03	1.46E-03
CKR Tunnel	CKRTEEB	11	1.75	2784	0.015	72.086	0.020	-	3.61E-02	3.25E-02	3.61E-03	2.40E-03	1.20E-03
CKR Tunnel	CKRTEEB	12	1.75	2758	0.015	71.725	0.020	-	3.59E-02	3.24E-02	3.59E-03	2.40E-03	1.20E-03
CKR Tunnel	CKRTEEB	13	1.75	2729	0.015	71.378	0.020	-	3.58E-02	3.22E-02	3.58E-03	2.38E-03	1.19E-03
CKR Tunnel	CKRTEEB	14	1.75	2700	0.015	70.918	0.020	-	3.55E-02	3.20E-02	3.55E-03	2.37E-03	1.18E-03
CKR Tunnel	CKRTEEB	15	1.75	3207	0.015	84.793	0.024	-	4.25E-02	3.82E-02	4.25E-03	2.83E-03	1.42E-03
CKR Tunnel	CKRTEEB	16	1.75	3173	0.015	84.125	0.023	-	4.21E-02	3.79E-02	4.21E-03	2.81E-03	1.40E-03
CKR Tunnel	CKRTEEB	17	1.75	3139	0.015	83.577	0.023	-	4.18E-02	3.76E-02	4.18E-03	2.79E-03	1.39E-03
CKR Tunnel	CKRTEEB	18	1.75	3105	0.015	83.018	0.023	-	4.18E-02	3.76E-02	4.18E-03	2.78E-03	1.39E-03
CKR Tunnel	CKRTEEB	19	1.75	3671	0.015	97.957	0.027	-	4.93E-02	4.44E-02	4.93E-03	3.29E-03	1.64E-03
CKR Tunnel	CKRTEEB	20	1.75	2667	0.015	70.979	0.020	-	3.55E-02	3.20E-02	3.55E-03	2.37E-03	1.18E-03
CKR Tunnel	CKRTEEB	21	1.75	2079	0.016	57.527	0.016	-	2.86E-02	2.58E-02	2.86E-03	1.91E-03	9.54E-04
CKR Tunnel	CKRTEEB	22	1.75	2096	0.016	57.992	0.016	-	2.89E-02	2.60E-02	2.89E-03	1.92E-03	9.62E-04
CKR Tunnel	CKRTEEB	23	1.75	1613	0.016	44.231	0.012	-	2.20E-02	1.98E-02	2.20E-03	1.47E-03	7.34E-04
CKR Tunnel	CKRTEEB	24	1.75	1628	0.016	44.471	0.012	-	2.21E-02	1.99E-02	2.21E-03	1.47E-03	7.36E-04
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.013	-	2.63E-03	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.013	-	2.64E-03	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.007	-	1.32E-03	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.007	-	1.31E-03	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.007	-	1.37E-03	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.013	-	2.68E-03	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.020	-	4.05E-03	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.033	-	6.56E-03	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.046	-	9.11E-03	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.039	-	7.88E-03	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.032	-	6.49E-03	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.032	-	6.47E-03	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.032	-	6.44E-03	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.032	-	6.40E-03	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.038	-	7.65E-03	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.038	-	7.58E-03	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.038	-	7.53E-03	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.038	-	7.52E-03	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.044	-	8.87E-03	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.032	-	6.39E-03	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.026	-	5.15E-03	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.026	-	5.19E-03	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.020	-	3.96E-03	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.020	-	3.98E-03	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO2 and 80% of RSP and it is assumed that there is 7.5% NO2 among Nox from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	601	0.012	8.644	0.002	-	1.20E-03	8.00E-04	4.00E-04
Kai Tak Tunnel	KTTE	2	1.23	593	0.012	8.551	0.002	-	1.19E-03	7.92E-04	3.96E-04
Kai Tak Tunnel	KTTE	3	1.23	294	0.012	4.239	0.001	-	5.89E-04	3.92E-04	1.96E-04
Kai Tak Tunnel	KTTE	4	1.23	289	0.012	4.201	0.001	-	5.83E-04	3.89E-04	1.94E-04
Kai Tak Tunnel	KTTE	5	1.23	286	0.012	4.152	0.001	-	5.77E-04	3.84E-04	1.92E-04
Kai Tak Tunnel	KTTE	6	1.23	566	0.012	8.226	0.002	-	1.14E-03	7.62E-04	3.81E-04
Kai Tak Tunnel	KTTE	7	1.23	836	0.012	12.200	0.003	-	1.69E-03	1.13E-03	5.65E-04
Kai Tak Tunnel	KTTE	8	1.23	1376	0.012	20.054	0.006	-	2.79E-03	1.86E-03	9.28E-04
Kai Tak Tunnel	KTTE	9	1.23	1901	0.012	28.551	0.008	-	3.97E-03	2.64E-03	1.32E-03
Kai Tak Tunnel	KTTE	10	1.23	1661	0.012	24.582	0.007	-	3.41E-03	2.28E-03	1.14E-03
Kai Tak Tunnel	KTTE	11	1.23	1409	0.012	20.509	0.006	-	2.85E-03	1.90E-03	9.49E-04
Kai Tak Tunnel	KTTE	12	1.23	1431	0.012	20.600	0.006	-	2.86E-03	1.91E-03	9.54E-04
Kai Tak Tunnel	KTTE	13	1.23	1457	0.012	20.922	0.006	-	2.91E-03	1.94E-03	9.69E-04
Kai Tak Tunnel	KTTE	14	1.23	1479	0.012	20.989	0.006	-	2.92E-03	1.94E-03	9.72E-04
Kai Tak Tunnel	KTTE	15	1.23	1809	0.012	26.273	0.007	-	3.65E-03	2.43E-03	1.22E-03
Kai Tak Tunnel	KTTE	16	1.23	1838	0.012	26.700	0.007	-	3.71E-03	2.47E-03	1.24E-03
Kai Tak Tunnel	KTTE	17	1.23	1869	0.012	27.202	0.008	-	3.78E-03	2.52E-03	1.26E-03
Kai Tak Tunnel	KTTE	18	1.23	1899	0.012	27.608	0.008	-	3.83E-03	2.56E-03	1.28E-03
Kai Tak Tunnel	KTTE	19	1.23	2251	0.012	32.683	0.009	-	4.54E-03	3.03E-03	1.51E-03
Kai Tak Tunnel	KTTE	20	1.23	1588	0.012	22.956	0.006	-	3.19E-03	2.13E-03	1.06E-03
Kai Tak Tunnel	KTTE	21	1.23	1257	0.012	17.788	0.005	-	2.47E-03	1.65E-03	8.24E-04
Kai Tak Tunnel	KTTE	22	1.23	1242	0.012	17.648	0.005	-	2.45E-03	1.63E-03	8.17E-04
Kai Tak Tunnel	KTTE	23	1.23	921	0.012	13.157	0.004	-	1.83E-03	1.22E-03	6.09E-04
Kai Tak Tunnel	KTTE	24	1.23	910	0.012	13.039	0.004	-	1.81E-03	1.21E-03	6.04E-04
Kai Tak Tunnel	KTTW	1	1.23	639	0.014	11.279	0.003	-	1.57E-03	1.04E-03	5.22E-04
Kai Tak Tunnel	KTTW	2	1.23	653	0.014	11.399	0.003	-	1.58E-03	1.06E-03	5.28E-04
Kai Tak Tunnel	KTTW	3	1.23	331	0.014	5.759	0.002	-	8.00E-04	5.33E-04	2.67E-04
Kai Tak Tunnel	KTTW	4	1.23	338	0.014	5.817	0.002	-	8.08E-04	5.39E-04	2.69E-04
Kai Tak Tunnel	KTTW	5	1.23	345	0.014	5.946	0.002	-	8.26E-04	5.51E-04	2.75E-04
Kai Tak Tunnel	KTTW	6	1.23	706	0.015	12.630	0.004	-	1.75E-03	1.17E-03	5.85E-04
Kai Tak Tunnel	KTTW	7	1.23	1073	0.014	18.808	0.005	-	2.61E-03	1.74E-03	8.71E-04
Kai Tak Tunnel	KTTW	8	1.23	1823	0.014	32.266	0.009	-	4.48E-03	2.99E-03	1.49E-03
Kai Tak Tunnel	KTTW	9	1.23	2595	0.015	46.404	0.013	-	6.44E-03	4.30E-03	2.15E-03
Kai Tak Tunnel	KTTW	10	1.23	2170	0.014	38.399	0.011	-	5.33E-03	3.56E-03	1.78E-03
Kai Tak Tunnel	KTTW	11	1.23	1764	0.014	30.995	0.009	-	4.30E-03	2.87E-03	1.43E-03
Kai Tak Tunnel	KTTW	12	1.23	1719	0.014	30.075	0.008	-	4.18E-03	2.78E-03	1.39E-03
Kai Tak Tunnel	KTTW	13	1.23	1677	0.014	29.334	0.008	-	4.07E-03	2.72E-03	1.36E-03
Kai Tak Tunnel	KTTW	14	1.23	1630	0.014	28.401	0.008	-	3.94E-03	2.63E-03	1.31E-03
Kai Tak Tunnel	KTTW	15	1.23	1905	0.014	33.918	0.009	-	4.71E-03	3.14E-03	1.57E-03
Kai Tak Tunnel	KTTW	16	1.23	1850	0.014	32.850	0.009	-	4.56E-03	3.04E-03	1.52E-03
Kai Tak Tunnel	KTTW	17	1.23	1799	0.015	32.194	0.009	-	4.47E-03	2.98E-03	1.49E-03
Kai Tak Tunnel	KTTW	18	1.23	1743	0.014	30.977	0.009	-	4.30E-03	2.87E-03	1.43E-03
Kai Tak Tunnel	KTTW	19	1.23	1973	0.014	35.136	0.010	-	4.88E-03	3.25E-03	1.63E-03
Kai Tak Tunnel	KTTW	20	1.23	1441	0.014	25.450	0.007	-	3.53E-03	2.36E-03	1.18E-03
Kai Tak Tunnel	KTTW	21	1.23	1179	0.014	20.642	0.006	-	2.87E-03	1.91E-03	9.56E-04
Kai Tak Tunnel	KTTW	22	1.23	1203	0.014	20.941	0.006	-	2.91E-03	1.94E-03	9.69E-04
Kai Tak Tunnel	KTTW	23	1.23	921	0.014	16.295	0.005	-	2.26E-03	1.51E-03	7.54E-04
Kai Tak Tunnel	KTTW	24	1.23	941	0.014	16.517	0.005	-	2.29E-03	1.53E-03	7.65E-04
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	2.77E-03	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	2.77E-03	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	1.39E-03	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	1.39E-03	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	1.40E-03	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	2.90E-03	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	4.31E-03	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	7.27E-03	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	1.04E-02	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	8.75E-03	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	7.15E-03	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	7.04E-03	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	6.98E-03	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	6.86E-03	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	8.36E-03	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	8.27E-03	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	8.25E-03	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	8.14E-03	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	9.42E-03	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	6.72E-03	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	5.34E-03	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	5.36E-03	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	4.09E-03	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	4.10E-03	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	186	0.009	0.203	0.000	-	5.63E-05	3.75E-05	1.88E-05
D2 Landscape Deck	D2ENB	2	0.125	185	0.009	0.202	0.000	-	5.61E-05	3.74E-05	1.87E-05
D2 Landscape Deck	D2ENB	3	0.125	92	0.010	0.116	0.000	-	3.23E-05	2.16E-05	1.08E-05
D2 Landscape Deck	D2ENB	4	0.125	90	0.010	0.115	0.000	-	3.20E-05	2.13E-05	1.07E-05
D2 Landscape Deck	D2ENB	6	0.125	175	0.009	0.194	0.000	-	5.39E-05	3.59E-05	1.80E-05
D2 Landscape Deck	D2ENB	7	0.125	259	0.009	0.302	0.000	-	8.39E-05	5.59E-05	2.80E-05
D2 Landscape Deck	D2ENB	8	0.125	427	0.010	0.530	0.000	-	1.47E-04	9.81E-05	4.90E-05
D2 Landscape Deck	D2ENB	9	0.125	590	0.010	0.716	0.000	-	1.99E-04	1.33E-04	6.63E-05
D2 Landscape Deck	D2ENB	10	0.125	513	0.009	0.599	0.000	-	1.67E-04	1.11E-04	5.55E-05
D2 Landscape Deck	D2ENB	11	0.125	439	0.010	0.539	0.000	-	1.50E-04	9.98E-05	4.99E-05
D2 Landscape Deck	D2ENB	12	0.125	447	0.010	0.546	0.000	-	1.52E-04	1.01E-04	5.05E-05
D2 Landscape Deck	D2ENB	13	0.125	456	0.010	0.555	0.000	-	1.54E-04	1.03E-04	5.14E-05
D2 Landscape Deck	D2ENB	14	0.125	464	0.010	0.561	0.000	-	1.56E-04	1.04E-04	5.20E-05
D2 Landscape Deck	D2ENB	15	0.125	566	0.009	0.649	0.000	-	1.80E-04	1.20E-04	6.01E-05
D2 Landscape Deck	D2ENB	16	0.125	577	0.009	0.659	0.000	-	1.83E-04	1.22E-04	6.10E-05
D2 Landscape Deck	D2ENB	17	0.125	588	0.009	0.676	0.000	-	1.88E-04	1.25E-04	6.26E-05
D2 Landscape Deck	D2ENB	18	0.125	598	0.009	0.688	0.000	-	1.91E-04	1.27E-04	6.37E-05
D2 Landscape Deck	D2ENB	19	0.125	709	0.009	0.829	0.000	-	2.30E-04	1.54E-04	7.68E-05
D2 Landscape Deck	D2ENB	20	0.125	501	0.009	0.593	0.000	-	1.65E-04	1.10E-04	5.49E-05

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	21	0.125	396	0.009	0.465	0.000	-	1.29E-04	8.61E-05	4.31E-05
D2 Landscape Deck	D2ENB	22	0.125	391	0.009	0.462	0.000	-	1.28E-04	8.56E-05	4.28E-05
D2 Landscape Deck	D2ENB	23	0.125	289	0.009	0.328	0.000	-	9.11E-05	6.07E-05	3.04E-05
D2 Landscape Deck	D2ENB	24	0.125	284	0.009	0.323	0.000	-	8.97E-05	5.98E-05	2.99E-05
D2 Landscape Deck	D2MSB	1	0.125	205	0.009	0.241	0.000	-	6.69E-05	4.46E-05	2.23E-05
D2 Landscape Deck	D2MSB	2	0.125	218	0.010	0.261	0.000	-	7.26E-05	4.84E-05	2.42E-05
D2 Landscape Deck	D2MSB	3	0.125	113	0.009	0.124	0.000	-	3.46E-05	2.30E-05	1.15E-05
D2 Landscape Deck	D2MSB	4	0.125	119	0.009	0.127	0.000	-	3.52E-05	2.35E-05	1.17E-05
D2 Landscape Deck	D2MSB	5	0.125	124	0.008	0.129	0.000	-	3.57E-05	2.38E-05	1.19E-05
D2 Landscape Deck	D2MSB	6	0.125	262	0.009	0.286	0.000	-	7.95E-05	5.30E-05	2.65E-05
D2 Landscape Deck	D2MSB	7	0.125	412	0.010	0.491	0.000	-	1.37E-04	9.10E-05	4.55E-05
D2 Landscape Deck	D2MSB	8	0.125	711	0.009	0.819	0.000	-	2.27E-04	1.52E-04	7.58E-05
D2 Landscape Deck	D2MSB	9	0.125	1038	0.009	1.213	0.000	-	3.37E-04	2.25E-04	1.12E-04
D2 Landscape Deck	D2MSB	10	0.125	842	0.009	0.961	0.000	-	2.67E-04	1.78E-04	8.90E-05
D2 Landscape Deck	D2MSB	11	0.125	660	0.009	0.770	0.000	-	2.14E-04	1.43E-04	7.13E-05
D2 Landscape Deck	D2MSB	12	0.125	621	0.009	0.698	0.000	-	1.94E-04	1.29E-04	6.46E-05
D2 Landscape Deck	D2MSB	13	0.125	581	0.009	0.668	0.000	-	1.86E-04	1.24E-04	6.19E-05
D2 Landscape Deck	D2MSB	14	0.125	540	0.009	0.607	0.000	-	1.69E-04	1.12E-04	5.62E-05
D2 Landscape Deck	D2MSB	15	0.125	601	0.009	0.680	0.000	-	1.89E-04	1.26E-04	6.30E-05
D2 Landscape Deck	D2MSB	16	0.125	552	0.009	0.616	0.000	-	1.71E-04	1.14E-04	5.70E-05
D2 Landscape Deck	D2MSB	17	0.125	504	0.009	0.558	0.000	-	1.55E-04	1.03E-04	5.17E-05
D2 Landscape Deck	D2MSB	18	0.125	456	0.009	0.494	0.000	-	1.37E-04	9.14E-05	4.57E-05
D2 Landscape Deck	D2MSB	19	0.125	475	0.009	0.505	0.000	-	1.40E-04	9.36E-05	4.68E-05
D2 Landscape Deck	D2MSB	20	0.125	369	0.009	0.412	0.000	-	1.14E-04	7.62E-05	3.81E-05
D2 Landscape Deck	D2MSB	21	0.125	315	0.008	0.319	0.000	-	8.87E-05	5.91E-05	2.96E-05
D2 Landscape Deck	D2MSB	22	0.125	342	0.009	0.395	0.000	-	1.10E-04	7.31E-05	3.66E-05
D2 Landscape Deck	D2MSB	23	0.125	273	0.009	0.295	0.000	-	8.19E-05	5.46E-05	2.73E-05
D2 Landscape Deck	D2MSB	24	0.125	288	0.008	0.300	0.000	-	8.32E-05	5.55E-05	2.77E-05
D2 Landscape Deck	D2MNB	1	0.0374	199	0.009	0.069	0.000	-	1.91E-05	1.27E-05	6.36E-06
D2 Landscape Deck	D2MNB	2	0.0374	195	0.009	0.068	0.000	-	1.89E-05	1.26E-05	6.30E-06
D2 Landscape Deck	D2MNB	3	0.0374	94	0.009	0.033	0.000	-	9.27E-06	6.18E-06	3.09E-06
D2 Landscape Deck	D2MNB	4	0.0374	91	0.010	0.033	0.000	-	9.18E-06	6.12E-06	3.06E-06
D2 Landscape Deck	D2MNB	5	0.0374	88	0.010	0.032	0.000	-	9.02E-06	6.01E-06	3.01E-06
D2 Landscape Deck	D2MNB	6	0.0374	173	0.009	0.056	0.000	-	1.56E-05	1.04E-05	5.19E-06
D2 Landscape Deck	D2MNB	7	0.0374	252	0.009	0.087	0.000	-	2.43E-05	1.62E-05	8.08E-06
D2 Landscape Deck	D2MNB	8	0.0374	410	0.010	0.150	0.000	-	4.18E-05	2.79E-05	1.39E-05
D2 Landscape Deck	D2MNB	9	0.0374	554	0.010	0.200	0.000	-	5.56E-05	3.71E-05	1.85E-05
D2 Landscape Deck	D2MNB	10	0.0374	497	0.009	0.173	0.000	-	4.79E-05	3.20E-05	1.60E-05
D2 Landscape Deck	D2MNB	11	0.0374	431	0.009	0.152	0.000	-	4.22E-05	2.81E-05	1.41E-05
D2 Landscape Deck	D2MNB	12	0.0374	449	0.009	0.155	0.000	-	4.29E-05	2.86E-05	1.43E-05
D2 Landscape Deck	D2MNB	13	0.0374	466	0.009	0.157	0.000	-	4.35E-05	2.90E-05	1.45E-05
D2 Landscape Deck	D2MNB	14	0.0374	483	0.009	0.159	0.000	-	4.42E-05	2.94E-05	1.47E-05
D2 Landscape Deck	D2MNB	15	0.0374	601	0.009	0.197	0.000	-	5.49E-05	3.66E-05	1.83E-05
D2 Landscape Deck	D2MNB	16	0.0374	624	0.009	0.202	0.000	-	5.61E-05	3.74E-05	1.87E-05
D2 Landscape Deck	D2MNB	17	0.0374	644	0.008	0.204	0.000	-	5.66E-05	3.77E-05	1.89E-05
D2 Landscape Deck	D2MNB	18	0.0374	663	0.008	0.207	0.000	-	5.75E-05	3.83E-05	1.92E-05
D2 Landscape Deck	D2MNB	19	0.0374	799	0.008	0.245	0.000	-	6.80E-05	4.53E-05	2.27E-05
D2 Landscape Deck	D2MNB	20	0.0374	559	0.008	0.171	0.000	-	4.75E-05	3.17E-05	1.58E-05
D2 Landscape Deck	D2MNB	21	0.0374	436	0.008	0.133	0.000	-	3.70E-05	2.47E-05	1.23E-05
D2 Landscape Deck	D2MNB	22	0.0374	426	0.008	0.133	0.000	-	3.71E-05	2.47E-05	1.24E-05
D2 Landscape Deck	D2MNB	23	0.0374	312	0.008	0.093	0.000	-	2.58E-05	1.72E-05	8.61E-06
D2 Landscape Deck	D2MNB	24	0.0374	304	0.008	0.092	0.000	-	2.55E-05	1.70E-05	8.51E-06
D2 Landscape Deck	D2WSB	1	0.0374	204	0.010	0.073	0.000	-	2.02E-05	1.35E-05	6.73E-06
D2 Landscape Deck	D2WSB	2	0.0374	215	0.009	0.075	0.000	-	2.08E-05	1.39E-05	6.94E-06
D2 Landscape Deck	D2WSB	3	0.0374	112	0.009	0.037	0.000	-	1.03E-05	6.86E-06	3.43E-06
D2 Landscape Deck	D2WSB	4	0.0374	117	0.009	0.038	0.000	-	1.04E-05	6.96E-06	3.48E-06
D2 Landscape Deck	D2WSB	5	0.0374	123	0.008	0.038	0.000	-	1.06E-05	7.09E-06	3.55E-06
D2 Landscape Deck	D2WSB	6	0.0374	258	0.009	0.085	0.000	-	2.36E-05	1.58E-05	7.88E-06
D2 Landscape Deck	D2WSB	7	0.0374	405	0.010	0.146	0.000	-	4.07E-05	2.71E-05	1.36E-05
D2 Landscape Deck	D2WSB	8	0.0374	701	0.009	0.244	0.000	-	6.77E-05	4.52E-05	2.26E-05
D2 Landscape Deck	D2WSB	9	0.0374	1019	0.009	0.355	0.000	-	9.86E-05	6.57E-05	3.29E-05
D2 Landscape Deck	D2WSB	10	0.0374	828	0.009	0.286	0.000	-	7.94E-05	5.30E-05	2.65E-05
D2 Landscape Deck	D2WSB	11	0.0374	652	0.009	0.229	0.000	-	6.36E-05	4.24E-05	2.12E-05
D2 Landscape Deck	D2WSB	12	0.0374	613	0.009	0.208	0.000	-	5.79E-05	3.86E-05	1.93E-05
D2 Landscape Deck	D2WSB	13	0.0374	576	0.009	0.199	0.000	-	5.53E-05	3.69E-05	1.84E-05
D2 Landscape Deck	D2WSB	14	0.0374	538	0.009	0.183	0.000	-	5.09E-05	3.39E-05	1.70E-05
D2 Landscape Deck	D2WSB	15	0.0374	600	0.009	0.208	0.000	-	5.79E-05	3.86E-05	1.93E-05
D2 Landscape Deck	D2WSB	16	0.0374	553	0.009	0.183	0.000	-	5.09E-05	3.39E-05	1.70E-05
D2 Landscape Deck	D2WSB	17	0.0374	508	0.009	0.171	0.000	-	4.76E-05	3.18E-05	1.59E-05
D2 Landscape Deck	D2WSB	18	0.0374	462	0.009	0.154	0.000	-	4.28E-05	2.86E-05	1.43E-05
D2 Landscape Deck	D2WSB	19	0.0374	489	0.009	0.169	0.000	-	4.70E-05	3.14E-05	1.57E-05
D2 Landscape Deck	D2WSB	20	0.0374	377	0.009	0.128	0.000	-	3.56E-05	2.37E-05	1.19E-05
D2 Landscape Deck	D2WSB	21	0.0374	321	0.008	0.101	0.000	-	2.82E-05	1.88E-05	9.40E-06
D2 Landscape Deck	D2WSB	22	0.0374	345	0.009	0.121	0.000	-	3.36E-05	2.24E-05	1.12E-05
D2 Landscape Deck	D2WSB	23	0.0374	275	0.009	0.093	0.000	-	2.58E-05	1.72E-05	8.60E-06
D2 Landscape Deck	D2WSB	24	0.0374	289	0.009	0.094	0.000	-	2.62E-05	1.75E-05	8.73E-06
CKR Slip Road	S3SB	1	0.103	316	0.016	0.508	0.000	-	1.41E-04	9.41E-05	4.71E-05
CKR Slip Road	S3SB	2	0.103	320	0.015	0.501	0.000	-	1.39E-04	9.27E-05	4.64E-05
CKR Slip Road	S3SB	3	0.103	164	0.015	0.245	0.000	-	6.80E-05	4.54E-05	2.27E-05
CKR Slip Road	S3SB	4	0.103	167	0.014	0.244	0.000	-	6.78E-05	4.52E-05	2.26E-05
CKR Slip Road	S3SB	5	0.103	168	0.014	0.243	0.000	-	6.76E-05	4.50E-05	2.25E-05
CKR Slip Road	S3SB	6	0.103	342	0.014	0.479	0.000	-	1.33E-04	8.87E-05	4.43E-05
CKR Slip Road	S3SB	7	0.103	524	0.014	0.750	0.000	-	2.08E-04	1.39E-04	6.94E-05
CKR Slip Road	S3SB	8	0.103	885	0.013	1.208	0.000	-	3.36E-04	2.24E-04	1.12E-04
CKR Slip Road	S3SB	9	0.103	1256	0.013	1.719	0.000	-	4.77E-04	3.18E-04	1.59E-04
CKR Slip Road	S3SB	10	0.103	1053	0.013	1.445	0.000	-	4.01E-04	2.68E-04	1.34E-04
CKR Slip Road	S3SB	11	0.103	859	0.014	1.222	0.000	-	3.40E-04	2.26E-04	1.13E-04
CKR Slip Road	S3SB	12	0.103	839	0.014	1.216	0.000	-	3.38E-04	2.25E-04	1.13E-04
CKR Slip Road	S3SB	13	0.103	820	0.014	1.214	0.000	-	3.37E-04	2.25E-04	1.12E-04
CKR Slip Road	S3SB	14	0.103	802	0.015	1.237	0.000	-	3.44E-04	2.29E-04	1.15E-04
CKR Slip Road	S3SB	15	0.103	936	0.015	1.488	0.000	-	4.13E-04	2.76E-04	1.38E-04
CKR Slip Road	S3SB	16	0.103	914	0.016	1.508	0.000	-	4.19E-04	2.79E-04	1.40E-04

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	17	0.103	890	0.017	1.523	0.000	-	4.23E-04	2.82E-04	1.41E-04
CKR Slip Road	S3SB	18	0.103	869	0.017	1.525	0.000	-	4.24E-04	2.82E-04	1.41E-04
CKR Slip Road	S3SB	19	0.103	985	0.018	1.779	0.000	-	4.94E-04	3.29E-04	1.65E-04
CKR Slip Road	S3SB	20	0.103	718	0.017	1.263	0.000	-	3.51E-04	2.34E-04	1.17E-04
CKR Slip Road	S3SB	21	0.103	587	0.017	1.003	0.000	-	2.79E-04	1.86E-04	9.29E-05
CKR Slip Road	S3SB	22	0.103	597	0.016	0.994	0.000	-	2.76E-04	1.84E-04	9.20E-05
CKR Slip Road	S3SB	23	0.103	454	0.015	0.725	0.000	-	2.01E-04	1.34E-04	6.71E-05
CKR Slip Road	S3SB	24	0.103	463	0.016	0.758	0.000	-	2.11E-04	1.40E-04	7.02E-05
CKR Landscape Deck	CKRLDSWB	1	0.195	1052	0.015	3.171	0.001	-	8.81E-04	5.87E-04	2.94E-04
CKR Landscape Deck	CKRLDSWB	2	0.195	1057	0.016	3.200	0.001	-	8.89E-04	5.93E-04	2.96E-04
CKR Landscape Deck	CKRLDSWB	3	0.195	529	0.016	1.599	0.000	-	4.44E-04	2.96E-04	1.48E-04
CKR Landscape Deck	CKRLDSWB	4	0.195	533	0.016	1.628	0.000	-	4.52E-04	3.02E-04	1.51E-04
CKR Landscape Deck	CKRLDSWB	5	0.195	534	0.016	1.628	0.000	-	4.52E-04	3.02E-04	1.51E-04
CKR Landscape Deck	CKRLDSWB	6	0.195	1072	0.016	3.307	0.001	-	9.19E-04	6.12E-04	3.06E-04
CKR Landscape Deck	CKRLDSWB	7	0.195	1616	0.016	5.060	0.001	-	1.41E-03	9.37E-04	4.68E-04
CKR Landscape Deck	CKRLDSWB	8	0.195	2708	0.015	8.151	0.002	-	2.26E-03	1.51E-03	7.55E-04
CKR Landscape Deck	CKRLDSWB	9	0.195	3805	0.015	11.260	0.003	-	3.13E-03	2.09E-03	1.04E-03
CKR Landscape Deck	CKRLDSWB	10	0.195	3240	0.015	9.695	0.003	-	2.69E-03	1.80E-03	8.98E-04
CKR Landscape Deck	CKRLDSWB	11	0.195	2687	0.015	8.001	0.002	-	2.22E-03	1.48E-03	7.41E-04
CKR Landscape Deck	CKRLDSWB	12	0.195	2673	0.015	7.892	0.002	-	2.19E-03	1.46E-03	7.31E-04
CKR Landscape Deck	CKRLDSWB	13	0.195	2655	0.015	7.761	0.002	-	2.16E-03	1.44E-03	7.19E-04
CKR Landscape Deck	CKRLDSWB	14	0.195	2641	0.015	7.685	0.002	-	2.13E-03	1.42E-03	7.12E-04
CKR Landscape Deck	CKRLDSWB	15	0.195	3150	0.015	9.063	0.003	-	2.52E-03	1.68E-03	8.39E-04
CKR Landscape Deck	CKRLDSWB	16	0.195	3132	0.015	8.941	0.002	-	2.48E-03	1.66E-03	8.28E-04
CKR Landscape Deck	CKRLDSWB	17	0.195	3113	0.015	8.810	0.002	-	2.45E-03	1.63E-03	8.16E-04
CKR Landscape Deck	CKRLDSWB	18	0.195	3094	0.014	8.662	0.002	-	2.41E-03	1.60E-03	8.02E-04
CKR Landscape Deck	CKRLDSWB	19	0.195	3588	0.014	9.959	0.003	-	2.77E-03	1.84E-03	9.22E-04
CKR Landscape Deck	CKRLDSWB	20	0.195	2573	0.014	7.166	0.002	-	1.99E-03	1.33E-03	6.64E-04
CKR Landscape Deck	CKRLDSWB	21	0.195	2069	0.015	6.072	0.002	-	1.69E-03	1.12E-03	5.62E-04
CKR Landscape Deck	CKRLDSWB	22	0.195	2076	0.015	6.116	0.002	-	1.70E-03	1.13E-03	5.66E-04
CKR Landscape Deck	CKRLDSWB	23	0.195	1564	0.015	4.617	0.001	-	1.28E-03	8.55E-04	4.27E-04
CKR Landscape Deck	CKRLDSWB	24	0.195	1572	0.015	4.722	0.001	-	1.31E-03	8.74E-04	4.37E-04
CKR Landscape Deck	CKRLDNEB	1	0.195	1064	0.014	2.978	0.001	-	8.27E-04	5.51E-04	2.76E-04
CKR Landscape Deck	CKRLDNEB	2	1.195	1074	0.014	18.482	0.005	-	5.13E-03	3.42E-03	1.71E-03
CKR Landscape Deck	CKRLDNEB	3	2.195	540	0.014	16.893	0.005	-	4.69E-03	3.13E-03	1.56E-03
CKR Landscape Deck	CKRLDNEB	4	3.195	546	0.014	24.677	0.007	-	6.85E-03	4.57E-03	2.28E-03
CKR Landscape Deck	CKRLDNEB	5	4.195	550	0.014	32.834	0.009	-	9.12E-03	6.08E-03	3.04E-03
CKR Landscape Deck	CKRLDNEB	6	5.195	1105	0.014	81.422	0.023	-	2.26E-02	1.51E-02	7.54E-03
CKR Landscape Deck	CKRLDNEB	7	6.195	1674	0.014	147.209	0.041	-	4.09E-02	2.73E-02	1.36E-02
CKR Landscape Deck	CKRLDNEB	8	7.195	2811	0.014	274.302	0.076	-	7.62E-02	5.08E-02	2.54E-02
CKR Landscape Deck	CKRLDNEB	9	8.195	3964	0.013	430.867	0.120	-	1.20E-01	7.98E-02	3.99E-02
CKR Landscape Deck	CKRLDNEB	10	9.195	3364	0.014	419.940	0.117	-	1.17E-01	7.78E-02	3.89E-02
CKR Landscape Deck	CKRLDNEB	11	10.195	2771	0.014	384.681	0.107	-	1.07E-01	7.12E-02	3.56E-02
CKR Landscape Deck	CKRLDNEB	12	11.195	2742	0.014	419.806	0.117	-	1.17E-01	7.77E-02	3.89E-02
CKR Landscape Deck	CKRLDNEB	13	12.195	2711	0.014	454.672	0.126	-	1.26E-01	8.42E-02	4.21E-02
CKR Landscape Deck	CKRLDNEB	14	13.195	2683	0.014	487.637	0.135	-	1.35E-01	9.03E-02	4.52E-02
CKR Landscape Deck	CKRLDNEB	15	14.195	3184	0.014	625.898	0.174	-	1.74E-01	1.16E-01	5.80E-02
CKR Landscape Deck	CKRLDNEB	16	15.195	3150	0.014	668.148	0.186	-	1.86E-01	1.24E-01	6.19E-02
CKR Landscape Deck	CKRLDNEB	17	16.195	3112	0.014	704.826	0.196	-	1.96E-01	1.31E-01	6.53E-02
CKR Landscape Deck	CKRLDNEB	18	17.195	3076	0.014	742.257	0.206	-	2.06E-01	1.37E-01	6.87E-02
CKR Landscape Deck	CKRLDNEB	19	18.195	3549	0.014	910.866	0.253	-	2.53E-01	1.69E-01	8.43E-02
CKR Landscape Deck	CKRLDNEB	20	19.195	2556	0.014	690.501	0.192	-	1.92E-01	1.28E-01	6.39E-02
CKR Landscape Deck	CKRLDNEB	21	20.195	2061	0.015	605.992	0.168	-	1.68E-01	1.12E-01	5.61E-02
CKR Landscape Deck	CKRLDNEB	22	21.195	2079	0.015	641.964	0.178	-	1.78E-01	1.19E-01	5.94E-02
CKR Landscape Deck	CKRLDNEB	23	22.195	1571	0.015	506.471	0.141	-	1.41E-01	9.38E-02	4.69E-02
CKR Landscape Deck	CKRLDNEB	24	23.195	1585	0.014	531.405	0.148	-	1.48E-01	9.84E-02	4.92E-02

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009))
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To Vent. BLD. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1064	0.014	30.544	0.008	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1074	0.014	30.932	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	540	0.014	15.393	0.004	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	546	0.014	15.447	0.004	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	550	0.014	15.654	0.004	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1105	0.014	31.346	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1674	0.014	47.525	0.013	0.009	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	2811	0.014	76.248	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	3964	0.013	105.154	0.029	0.021	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3364	0.014	91.341	0.025	0.018	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	2771	0.014	75.465	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	2742	0.014	74.999	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	2711	0.014	74.567	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	2683	0.014	73.912	0.021	0.014	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3184	0.014	88.186	0.024	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3150	0.014	87.943	0.024	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3112	0.014	87.042	0.024	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3076	0.014	86.334	0.024	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	3549	0.014	100.123	0.028	0.020	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2556	0.014	71.946	0.020	0.014	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2061	0.015	60.014	0.017	0.012	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2079	0.015	60.577	0.017	0.012	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1571	0.015	45.638	0.013	0.009	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1585	0.014	45.821	0.013	0.009	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1064	0.014	26.726	0.007	-	1.33E-02	1.20E-02	1.33E-03	8.85E-04	4.43E-04
CKR Tunnel	CKRTEEB	2	1.75	1074	0.014	27.066	0.008	-	1.34E-02	1.21E-02	1.34E-03	8.97E-04	4.48E-04
CKR Tunnel	CKRTEEB	3	1.75	540	0.014	13.469	0.004	-	6.69E-03	6.02E-03	6.69E-04	4.46E-04	2.23E-04
CKR Tunnel	CKRTEEB	4	1.75	546	0.014	13.516	0.004	-	6.71E-03	6.04E-03	6.71E-04	4.47E-04	2.24E-04
CKR Tunnel	CKRTEEB	5	1.75	550	0.014	13.697	0.004	-	6.80E-03	6.12E-03	6.80E-04	4.53E-04	2.27E-04
CKR Tunnel	CKRTEEB	6	1.75	1105	0.014	27.428	0.008	-	1.36E-02	1.23E-02	1.36E-03	9.08E-04	4.54E-04
CKR Tunnel	CKRTEEB	7	1.75	1674	0.014	41.584	0.012	-	2.07E-02	1.86E-02	2.07E-03	1.38E-03	6.89E-04
CKR Tunnel	CKRTEEB	8	1.75	2811	0.014	66.717	0.019	-	3.34E-02	3.01E-02	3.34E-03	2.23E-03	1.11E-03
CKR Tunnel	CKRTEEB	9	1.75	3964	0.013	92.009	0.026	-	4.63E-02	4.17E-02	4.63E-03	3.09E-03	1.54E-03
CKR Tunnel	CKRTEEB	10	1.75	3364	0.014	79.923	0.022	-	4.02E-02	3.62E-02	4.02E-03	2.68E-03	1.34E-03
CKR Tunnel	CKRTEEB	11	1.75	2771	0.014	66.032	0.018	-	3.30E-02	2.97E-02	3.30E-03	2.20E-03	1.10E-03
CKR Tunnel	CKRTEEB	12	1.75	2742	0.014	65.624	0.018	-	3.29E-02	2.96E-02	3.29E-03	2.19E-03	1.10E-03
CKR Tunnel	CKRTEEB	13	1.75	2711	0.014	65.246	0.018	-	3.27E-02	2.94E-02	3.27E-03	2.18E-03	1.09E-03
CKR Tunnel	CKRTEEB	14	1.75	2683	0.014	64.673	0.018	-	3.24E-02	2.92E-02	3.24E-03	2.16E-03	1.08E-03
CKR Tunnel	CKRTEEB	15	1.75	3184	0.014	77.163	0.021	-	3.87E-02	3.48E-02	3.87E-03	2.58E-03	1.29E-03
CKR Tunnel	CKRTEEB	16	1.75	3150	0.014	76.950	0.021	-	3.85E-02	3.47E-02	3.85E-03	2.57E-03	1.28E-03
CKR Tunnel	CKRTEEB	17	1.75	3112	0.014	76.162	0.021	-	3.81E-02	3.43E-02	3.81E-03	2.54E-03	1.27E-03
CKR Tunnel	CKRTEEB	18	1.75	3076	0.014	75.542	0.021	-	3.80E-02	3.42E-02	3.80E-03	2.53E-03	1.27E-03
CKR Tunnel	CKRTEEB	19	1.75	3549	0.014	87.607	0.024	-	4.41E-02	3.97E-02	4.41E-03	2.94E-03	1.47E-03
CKR Tunnel	CKRTEEB	20	1.75	2556	0.014	62.953	0.017	-	3.15E-02	2.84E-02	3.15E-03	2.10E-03	1.05E-03
CKR Tunnel	CKRTEEB	21	1.75	2061	0.015	52.512	0.015	-	2.61E-02	2.35E-02	2.61E-03	1.74E-03	8.71E-04
CKR Tunnel	CKRTEEB	22	1.75	2079	0.015	53.005	0.015	-	2.64E-02	2.37E-02	2.64E-03	1.76E-03	8.79E-04
CKR Tunnel	CKRTEEB	23	1.75	1571	0.015	39.934	0.011	-	1.99E-02	1.79E-02	1.99E-03	1.32E-03	6.62E-04
CKR Tunnel	CKRTEEB	24	1.75	1585	0.014	40.093	0.011	-	1.99E-02	1.79E-02	1.99E-03	1.33E-03	6.64E-04
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.012	-	2.39E-03	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.012	-	2.42E-03	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.006	-	1.20E-03	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.006	-	1.21E-03	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.006	-	1.22E-03	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.012	-	2.45E-03	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.019	-	3.72E-03	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.030	-	6.02E-03	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.042	-	8.33E-03	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.036	-	7.24E-03	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.030	-	5.95E-03	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.030	-	5.92E-03	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.029	-	5.89E-03	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.029	-	5.83E-03	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.035	-	6.96E-03	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.035	-	6.93E-03	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.034	-	6.86E-03	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.034	-	6.84E-03	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.040	-	7.93E-03	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.028	-	5.67E-03	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.024	-	4.70E-03	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.024	-	4.75E-03	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.018	-	3.58E-03	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.018	-	3.58E-03	-	-	-	-

Notes:

Notes:

(3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO2 and 80% of RSP and it is assumed that there is 7.5% NO2 among Nox from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.

(4) It is assumed that APS also has a 80% removal efficiency on FSP.

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
Kai Tak Tunnel	KTTE	1	1.23	601	0.012	8.646	0.002	-	1.20E-03	8.01E-04	4.00E-04
Kai Tak Tunnel	KTTE	2	1.23	593	0.012	8.552	0.002	-	1.19E-03	7.92E-04	3.96E-04
Kai Tak Tunnel	KTTE	3	1.23	294	0.012	4.240	0.001	-	5.89E-04	3.93E-04	1.96E-04
Kai Tak Tunnel	KTTE	4	1.23	289	0.012	4.202	0.001	-	5.84E-04	3.89E-04	1.95E-04
Kai Tak Tunnel	KTTE	5	1.23	286	0.012	4.153	0.001	-	5.77E-04	3.85E-04	1.92E-04
Kai Tak Tunnel	KTTE	6	1.23	566	0.012	8.227	0.002	-	1.14E-03	7.62E-04	3.81E-04
Kai Tak Tunnel	KTTE	7	1.23	836	0.012	12.200	0.003	-	1.69E-03	1.13E-03	5.65E-04
Kai Tak Tunnel	KTTE	8	1.23	1376	0.012	20.055	0.006	-	2.79E-03	1.86E-03	9.28E-04
Kai Tak Tunnel	KTTE	9	1.23	1901	0.012	28.550	0.008	-	3.97E-03	2.64E-03	1.32E-03
Kai Tak Tunnel	KTTE	10	1.23	1661	0.012	24.584	0.007	-	3.41E-03	2.28E-03	1.14E-03
Kai Tak Tunnel	KTTE	11	1.23	1409	0.012	20.511	0.006	-	2.85E-03	1.90E-03	9.50E-04
Kai Tak Tunnel	KTTE	12	1.23	1431	0.012	20.604	0.006	-	2.86E-03	1.91E-03	9.54E-04
Kai Tak Tunnel	KTTE	13	1.23	1457	0.012	20.925	0.006	-	2.91E-03	1.94E-03	9.69E-04
Kai Tak Tunnel	KTTE	14	1.23	1479	0.012	20.993	0.006	-	2.92E-03	1.94E-03	9.72E-04
Kai Tak Tunnel	KTTE	15	1.23	1809	0.012	26.275	0.007	-	3.65E-03	2.43E-03	1.22E-03
Kai Tak Tunnel	KTTE	16	1.23	1838	0.012	26.701	0.007	-	3.71E-03	2.47E-03	1.24E-03
Kai Tak Tunnel	KTTE	17	1.23	1869	0.012	27.204	0.008	-	3.78E-03	2.52E-03	1.26E-03
Kai Tak Tunnel	KTTE	18	1.23	1899	0.012	27.608	0.008	-	3.83E-03	2.56E-03	1.28E-03
Kai Tak Tunnel	KTTE	19	1.23	2251	0.012	32.687	0.009	-	4.54E-03	3.03E-03	1.51E-03
Kai Tak Tunnel	KTTE	20	1.23	1588	0.012	22.969	0.006	-	3.19E-03	2.13E-03	1.06E-03
Kai Tak Tunnel	KTTE	21	1.23	1257	0.012	17.793	0.005	-	2.47E-03	1.65E-03	8.24E-04
Kai Tak Tunnel	KTTE	22	1.23	1242	0.012	17.652	0.005	-	2.45E-03	1.63E-03	8.17E-04
Kai Tak Tunnel	KTTE	23	1.23	921	0.012	13.169	0.004	-	1.83E-03	1.22E-03	6.10E-04
Kai Tak Tunnel	KTTE	24	1.23	910	0.012	13.051	0.004	-	1.81E-03	1.21E-03	6.04E-04
Kai Tak Tunnel	KTTW	1	1.23	639	0.014	11.281	0.003	-	1.57E-03	1.04E-03	5.22E-04
Kai Tak Tunnel	KTTW	2	1.23	653	0.014	11.400	0.003	-	1.58E-03	1.06E-03	5.28E-04
Kai Tak Tunnel	KTTW	3	1.23	331	0.014	5.760	0.002	-	8.00E-04	5.33E-04	2.67E-04
Kai Tak Tunnel	KTTW	4	1.23	338	0.014	5.819	0.002	-	8.08E-04	5.39E-04	2.69E-04
Kai Tak Tunnel	KTTW	5	1.23	345	0.014	5.947	0.002	-	8.26E-04	5.51E-04	2.75E-04
Kai Tak Tunnel	KTTW	6	1.23	706	0.015	12.631	0.004	-	1.75E-03	1.17E-03	5.85E-04
Kai Tak Tunnel	KTTW	7	1.23	1073	0.014	18.808	0.005	-	2.61E-03	1.74E-03	8.71E-04
Kai Tak Tunnel	KTTW	8	1.23	1823	0.014	32.268	0.009	-	4.48E-03	2.99E-03	1.49E-03
Kai Tak Tunnel	KTTW	9	1.23	2595	0.015	46.401	0.013	-	6.44E-03	4.30E-03	2.15E-03
Kai Tak Tunnel	KTTW	10	1.23	2170	0.014	38.401	0.011	-	5.33E-03	3.56E-03	1.78E-03
Kai Tak Tunnel	KTTW	11	1.23	1764	0.014	30.997	0.009	-	4.31E-03	2.87E-03	1.44E-03
Kai Tak Tunnel	KTTW	12	1.23	1719	0.014	30.080	0.008	-	4.18E-03	2.79E-03	1.39E-03
Kai Tak Tunnel	KTTW	13	1.23	1677	0.014	29.338	0.008	-	4.07E-03	2.72E-03	1.36E-03
Kai Tak Tunnel	KTTW	14	1.23	1630	0.014	28.404	0.008	-	3.95E-03	2.63E-03	1.32E-03
Kai Tak Tunnel	KTTW	15	1.23	1905	0.014	33.920	0.009	-	4.71E-03	3.14E-03	1.57E-03
Kai Tak Tunnel	KTTW	16	1.23	1850	0.014	32.851	0.009	-	4.56E-03	3.04E-03	1.52E-03
Kai Tak Tunnel	KTTW	17	1.23	1799	0.015	32.196	0.009	-	4.47E-03	2.98E-03	1.49E-03
Kai Tak Tunnel	KTTW	18	1.23	1743	0.014	30.977	0.009	-	4.30E-03	2.87E-03	1.43E-03
Kai Tak Tunnel	KTTW	19	1.23	1973	0.014	35.139	0.010	-	4.88E-03	3.25E-03	1.63E-03
Kai Tak Tunnel	KTTW	20	1.23	1441	0.014	25.462	0.007	-	3.54E-03	2.36E-03	1.18E-03
Kai Tak Tunnel	KTTW	21	1.23	1179	0.014	20.646	0.006	-	2.87E-03	1.91E-03	9.56E-04
Kai Tak Tunnel	KTTW	22	1.23	1203	0.014	20.944	0.006	-	2.91E-03	1.94E-03	9.70E-04
Kai Tak Tunnel	KTTW	23	1.23	921	0.014	16.306	0.005	-	2.26E-03	1.51E-03	7.55E-04
Kai Tak Tunnel	KTTW	24	1.23	941	0.014	16.529	0.005	-	2.30E-03	1.53E-03	7.65E-04
Kai Tak Tunnel	KTTVB	1	-	-	-	-	-	2.77E-03	-	-	-
Kai Tak Tunnel	KTTVB	2	-	-	-	-	-	2.77E-03	-	-	-
Kai Tak Tunnel	KTTVB	3	-	-	-	-	-	1.39E-03	-	-	-
Kai Tak Tunnel	KTTVB	4	-	-	-	-	-	1.39E-03	-	-	-
Kai Tak Tunnel	KTTVB	5	-	-	-	-	-	1.40E-03	-	-	-
Kai Tak Tunnel	KTTVB	6	-	-	-	-	-	2.90E-03	-	-	-
Kai Tak Tunnel	KTTVB	7	-	-	-	-	-	4.31E-03	-	-	-
Kai Tak Tunnel	KTTVB	8	-	-	-	-	-	7.27E-03	-	-	-
Kai Tak Tunnel	KTTVB	9	-	-	-	-	-	1.04E-02	-	-	-
Kai Tak Tunnel	KTTVB	10	-	-	-	-	-	8.75E-03	-	-	-
Kai Tak Tunnel	KTTVB	11	-	-	-	-	-	7.15E-03	-	-	-
Kai Tak Tunnel	KTTVB	12	-	-	-	-	-	7.04E-03	-	-	-
Kai Tak Tunnel	KTTVB	13	-	-	-	-	-	6.98E-03	-	-	-
Kai Tak Tunnel	KTTVB	14	-	-	-	-	-	6.86E-03	-	-	-
Kai Tak Tunnel	KTTVB	15	-	-	-	-	-	8.36E-03	-	-	-
Kai Tak Tunnel	KTTVB	16	-	-	-	-	-	8.27E-03	-	-	-
Kai Tak Tunnel	KTTVB	17	-	-	-	-	-	8.25E-03	-	-	-
Kai Tak Tunnel	KTTVB	18	-	-	-	-	-	8.14E-03	-	-	-
Kai Tak Tunnel	KTTVB	19	-	-	-	-	-	9.42E-03	-	-	-
Kai Tak Tunnel	KTTVB	20	-	-	-	-	-	6.73E-03	-	-	-
Kai Tak Tunnel	KTTVB	21	-	-	-	-	-	5.34E-03	-	-	-
Kai Tak Tunnel	KTTVB	22	-	-	-	-	-	5.36E-03	-	-	-
Kai Tak Tunnel	KTTVB	23	-	-	-	-	-	4.09E-03	-	-	-
Kai Tak Tunnel	KTTVB	24	-	-	-	-	-	4.11E-03	-	-	-
D2 Landscape Deck	D2ENB	1	0.125	219	0.010	0.262	0.000	-	7.28E-05	4.86E-05	2.43E-05
D2 Landscape Deck	D2ENB	2	0.125	217	0.010	0.261	0.000	-	7.25E-05	4.83E-05	2.42E-05
D2 Landscape Deck	D2ENB	3	0.125	106	0.009	0.124	0.000	-	3.45E-05	2.30E-05	1.15E-05
D2 Landscape Deck	D2ENB	4	0.125	104	0.009	0.123	0.000	-	3.42E-05	2.28E-05	1.14E-05
D2 Landscape Deck	D2ENB	5	0.125	103	0.010	0.122	0.000	-	3.40E-05	2.27E-05	1.13E-05
D2 Landscape Deck	D2ENB	6	0.125	202	0.010	0.247	0.000	-	6.87E-05	4.58E-05	2.29E-05
D2 Landscape Deck	D2ENB	7	0.125	299	0.010	0.373	0.000	-	1.04E-04	6.91E-05	3.45E-05
D2 Landscape Deck	D2ENB	8	0.125	490	0.010	0.589	0.000	-	1.64E-04	1.09E-04	5.45E-05
D2 Landscape Deck	D2ENB	9	0.125	674	0.010	0.825	0.000	-	2.29E-04	1.53E-04	7.64E-05
D2 Landscape Deck	D2ENB	10	0.125	593	0.010	0.719	0.000	-	2.00E-04	1.33E-04	6.66E-05
D2 Landscape Deck	D2ENB	11	0.125	505	0.009	0.599	0.000	-	1.66E-04	1.11E-04	5.55E-05
D2 Landscape Deck	D2ENB	12	0.125	517	0.009	0.612	0.000	-	1.70E-04	1.13E-04	5.66E-05
D2 Landscape Deck	D2ENB	13	0.125	529	0.009	0.620	0.000	-	1.72E-04	1.15E-04	5.74E-05
D2 Landscape Deck	D2ENB	14	0.125	540	0.009	0.633	0.000	-	1.76E-04	1.17E-04	5.86E-05
D2 Landscape Deck	D2ENB	15	0.125	664	0.009	0.784	0.000	-	2.18E-04	1.45E-04	7.26E-05
D2 Landscape Deck	D2ENB	16	0.125	678	0.009	0.798	0.000	-	2.22E-04	1.48E-04	7.39E-05
D2 Landscape Deck	D2ENB	17	0.125	691	0.009	0.811	0.000	-	2.25E-04	1.50E-04	7.51E-05
D2 Landscape Deck	D2ENB	18	0.125	705	0.009	0.825	0.000	-	2.29E-04	1.53E-04	7.64E-05
D2 Landscape Deck	D2ENB	19	0.125	1140	0.009	1.264	0.000	-	3.51E-04	2.34E-04	1.17E-04

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
D2 Landscape Deck	D2ENB	20	0.125	895	0.009	1.018	0.000	-	2.83E-04	1.88E-04	9.42E-05
D2 Landscape Deck	D2ENB	21	0.125	466	0.009	0.531	0.000	-	1.47E-04	9.83E-05	4.92E-05
D2 Landscape Deck	D2ENB	22	0.125	459	0.009	0.525	0.000	-	1.46E-04	9.72E-05	4.86E-05
D2 Landscape Deck	D2ENB	23	0.125	530	0.009	0.580	0.000	-	1.61E-04	1.07E-04	5.37E-05
D2 Landscape Deck	D2ENB	24	0.125	526	0.009	0.578	0.000	-	1.60E-04	1.07E-04	5.35E-05
D2 Landscape Deck	D2MSB	1	0.125	237	0.009	0.277	0.000	-	7.69E-05	5.12E-05	2.56E-05
D2 Landscape Deck	D2MSB	2	0.125	248	0.009	0.281	0.000	-	7.80E-05	5.20E-05	2.60E-05
D2 Landscape Deck	D2MSB	3	0.125	129	0.009	0.144	0.000	-	4.01E-05	2.67E-05	1.34E-05
D2 Landscape Deck	D2MSB	4	0.125	134	0.009	0.149	0.000	-	4.15E-05	2.77E-05	1.38E-05
D2 Landscape Deck	D2MSB	5	0.125	141	0.009	0.154	0.000	-	4.28E-05	2.86E-05	1.43E-05
D2 Landscape Deck	D2MSB	6	0.125	295	0.010	0.367	0.000	-	1.02E-04	6.80E-05	3.40E-05
D2 Landscape Deck	D2MSB	7	0.125	456	0.009	0.534	0.000	-	1.48E-04	9.88E-05	4.94E-05
D2 Landscape Deck	D2MSB	8	0.125	792	0.009	0.933	0.000	-	2.59E-04	1.73E-04	8.64E-05
D2 Landscape Deck	D2MSB	9	0.125	1146	0.009	1.335	0.000	-	3.71E-04	2.47E-04	1.24E-04
D2 Landscape Deck	D2MSB	10	0.125	935	0.009	1.078	0.000	-	2.99E-04	2.00E-04	9.98E-05
D2 Landscape Deck	D2MSB	11	0.125	737	0.009	0.834	0.000	-	2.32E-04	1.54E-04	7.72E-05
D2 Landscape Deck	D2MSB	12	0.125	699	0.009	0.794	0.000	-	2.21E-04	1.47E-04	7.35E-05
D2 Landscape Deck	D2MSB	13	0.125	660	0.009	0.771	0.000	-	2.14E-04	1.43E-04	7.14E-05
D2 Landscape Deck	D2MSB	14	0.125	618	0.009	0.688	0.000	-	1.91E-04	1.27E-04	6.37E-05
D2 Landscape Deck	D2MSB	15	0.125	696	0.009	0.795	0.000	-	2.21E-04	1.47E-04	7.36E-05
D2 Landscape Deck	D2MSB	16	0.125	646	0.009	0.707	0.000	-	1.97E-04	1.31E-04	6.55E-05
D2 Landscape Deck	D2MSB	17	0.125	601	0.009	0.686	0.000	-	1.91E-04	1.27E-04	6.35E-05
D2 Landscape Deck	D2MSB	18	0.125	550	0.009	0.592	0.000	-	1.64E-04	1.10E-04	5.48E-05
D2 Landscape Deck	D2MSB	19	0.125	750	0.008	0.763	0.000	-	2.12E-04	1.41E-04	7.06E-05
D2 Landscape Deck	D2MSB	20	0.125	611	0.008	0.629	0.000	-	1.75E-04	1.17E-04	5.83E-05
D2 Landscape Deck	D2MSB	21	0.125	382	0.009	0.419	0.000	-	1.17E-04	7.77E-05	3.88E-05
D2 Landscape Deck	D2MSB	22	0.125	403	0.009	0.428	0.000	-	1.19E-04	7.93E-05	3.97E-05
D2 Landscape Deck	D2MSB	23	0.125	625	0.008	0.640	0.000	-	1.78E-04	1.19E-04	5.93E-05
D2 Landscape Deck	D2MSB	24	0.125	641	0.008	0.649	0.000	-	1.80E-04	1.20E-04	6.01E-05
D2 Landscape Deck	D2MNB	1	0.0374	238	0.009	0.082	0.000	-	2.27E-05	1.51E-05	7.57E-06
D2 Landscape Deck	D2MNB	2	0.0374	231	0.009	0.080	0.000	-	2.21E-05	1.48E-05	7.38E-06
D2 Landscape Deck	D2MNB	3	0.0374	112	0.009	0.037	0.000	-	1.04E-05	6.91E-06	3.46E-06
D2 Landscape Deck	D2MNB	4	0.0374	110	0.009	0.037	0.000	-	1.03E-05	6.85E-06	3.42E-06
D2 Landscape Deck	D2MNB	5	0.0374	106	0.009	0.036	0.000	-	1.01E-05	6.74E-06	3.37E-06
D2 Landscape Deck	D2MNB	6	0.0374	209	0.009	0.073	0.000	-	2.03E-05	1.35E-05	6.76E-06
D2 Landscape Deck	D2MNB	7	0.0374	304	0.010	0.112	0.000	-	3.11E-05	2.07E-05	1.04E-05
D2 Landscape Deck	D2MNB	8	0.0374	493	0.009	0.172	0.000	-	4.78E-05	3.19E-05	1.59E-05
D2 Landscape Deck	D2MNB	9	0.0374	672	0.010	0.245	0.000	-	6.80E-05	4.53E-05	2.27E-05
D2 Landscape Deck	D2MNB	10	0.0374	597	0.009	0.207	0.000	-	5.75E-05	3.83E-05	1.92E-05
D2 Landscape Deck	D2MNB	11	0.0374	517	0.009	0.174	0.000	-	4.83E-05	3.22E-05	1.61E-05
D2 Landscape Deck	D2MNB	12	0.0374	536	0.009	0.177	0.000	-	4.91E-05	3.28E-05	1.64E-05
D2 Landscape Deck	D2MNB	13	0.0374	558	0.009	0.185	0.000	-	5.14E-05	3.42E-05	1.71E-05
D2 Landscape Deck	D2MNB	14	0.0374	577	0.009	0.192	0.000	-	5.33E-05	3.55E-05	1.78E-05
D2 Landscape Deck	D2MNB	15	0.0374	718	0.009	0.237	0.000	-	6.59E-05	4.39E-05	2.20E-05
D2 Landscape Deck	D2MNB	16	0.0374	741	0.009	0.240	0.000	-	6.67E-05	4.45E-05	2.22E-05
D2 Landscape Deck	D2MNB	17	0.0374	764	0.009	0.245	0.000	-	6.81E-05	4.54E-05	2.27E-05
D2 Landscape Deck	D2MNB	18	0.0374	788	0.008	0.246	0.000	-	6.83E-05	4.56E-05	2.28E-05
D2 Landscape Deck	D2MNB	19	0.0374	1341	0.008	0.414	0.000	-	1.15E-04	7.66E-05	3.83E-05
D2 Landscape Deck	D2MNB	20	0.0374	1054	0.008	0.319	0.000	-	8.85E-05	5.90E-05	2.95E-05
D2 Landscape Deck	D2MNB	21	0.0374	518	0.008	0.161	0.000	-	4.47E-05	2.98E-05	1.49E-05
D2 Landscape Deck	D2MNB	22	0.0374	506	0.008	0.159	0.000	-	4.41E-05	2.94E-05	1.47E-05
D2 Landscape Deck	D2MNB	23	0.0374	514	0.008	0.144	0.000	-	4.01E-05	2.67E-05	1.34E-05
D2 Landscape Deck	D2MNB	24	0.0374	503	0.008	0.142	0.000	-	3.95E-05	2.64E-05	1.32E-05
D2 Landscape Deck	D2WSB	1	0.0374	245	0.009	0.084	0.000	-	2.35E-05	1.56E-05	7.82E-06
D2 Landscape Deck	D2WSB	2	0.0374	254	0.009	0.085	0.000	-	2.37E-05	1.58E-05	7.90E-06
D2 Landscape Deck	D2WSB	3	0.0374	133	0.009	0.044	0.000	-	1.23E-05	8.21E-06	4.10E-06
D2 Landscape Deck	D2WSB	4	0.0374	139	0.009	0.046	0.000	-	1.28E-05	8.52E-06	4.26E-06
D2 Landscape Deck	D2WSB	5	0.0374	143	0.009	0.046	0.000	-	1.29E-05	8.58E-06	4.29E-06
D2 Landscape Deck	D2WSB	6	0.0374	300	0.010	0.111	0.000	-	3.07E-05	2.05E-05	1.02E-05
D2 Landscape Deck	D2WSB	7	0.0374	462	0.009	0.160	0.000	-	4.46E-05	2.97E-05	1.49E-05
D2 Landscape Deck	D2WSB	8	0.0374	799	0.009	0.281	0.000	-	7.81E-05	5.20E-05	2.60E-05
D2 Landscape Deck	D2WSB	9	0.0374	1153	0.009	0.401	0.000	-	1.11E-04	7.43E-05	3.71E-05
D2 Landscape Deck	D2WSB	10	0.0374	943	0.009	0.323	0.000	-	8.98E-05	5.99E-05	2.99E-05
D2 Landscape Deck	D2WSB	11	0.0374	752	0.009	0.260	0.000	-	7.24E-05	4.82E-05	2.41E-05
D2 Landscape Deck	D2WSB	12	0.0374	715	0.009	0.245	0.000	-	6.82E-05	4.54E-05	2.27E-05
D2 Landscape Deck	D2WSB	13	0.0374	677	0.009	0.236	0.000	-	6.56E-05	4.37E-05	2.19E-05
D2 Landscape Deck	D2WSB	14	0.0374	639	0.009	0.215	0.000	-	5.97E-05	3.98E-05	1.99E-05
D2 Landscape Deck	D2WSB	15	0.0374	725	0.009	0.249	0.000	-	6.92E-05	4.61E-05	2.31E-05
D2 Landscape Deck	D2WSB	16	0.0374	680	0.009	0.224	0.000	-	6.23E-05	4.15E-05	2.08E-05
D2 Landscape Deck	D2WSB	17	0.0374	636	0.009	0.218	0.000	-	6.06E-05	4.04E-05	2.02E-05
D2 Landscape Deck	D2WSB	18	0.0374	590	0.009	0.193	0.000	-	5.36E-05	3.57E-05	1.79E-05
D2 Landscape Deck	D2WSB	19	0.0374	816	0.009	0.264	0.000	-	7.34E-05	4.89E-05	2.45E-05
D2 Landscape Deck	D2WSB	20	0.0374	661	0.009	0.214	0.000	-	5.95E-05	3.97E-05	1.98E-05
D2 Landscape Deck	D2WSB	21	0.0374	406	0.009	0.134	0.000	-	3.73E-05	2.48E-05	1.24E-05
D2 Landscape Deck	D2WSB	22	0.0374	428	0.009	0.143	0.000	-	3.98E-05	2.65E-05	1.33E-05
D2 Landscape Deck	D2WSB	23	0.0374	820	0.009	0.269	0.000	-	7.46E-05	4.98E-05	2.49E-05
D2 Landscape Deck	D2WSB	24	0.0374	834	0.009	0.271	0.000	-	7.53E-05	5.02E-05	2.51E-05
CKR Slip Road	S3SB	1	0.103	316	0.016	0.508	0.000	-	1.41E-04	9.41E-05	4.71E-05
CKR Slip Road	S3SB	2	0.103	320	0.015	0.501	0.000	-	1.39E-04	9.28E-05	4.64E-05
CKR Slip Road	S3SB	3	0.103	164	0.015	0.245	0.000	-	6.81E-05	4.54E-05	2.27E-05
CKR Slip Road	S3SB	4	0.103	167	0.014	0.244	0.000	-	6.78E-05	4.52E-05	2.26E-05
CKR Slip Road	S3SB	5	0.103	168	0.014	0.243	0.000	-	6.76E-05	4.50E-05	2.25E-05
CKR Slip Road	S3SB	6	0.103	342	0.014	0.479	0.000	-	1.33E-04	8.87E-05	4.44E-05
CKR Slip Road	S3SB	7	0.103	524	0.014	0.750	0.000	-	2.08E-04	1.39E-04	6.94E-05
CKR Slip Road	S3SB	8	0.103	885	0.013	1.208	0.000	-	3.36E-04	2.24E-04	1.12E-04
CKR Slip Road	S3SB	9	0.103	1256	0.013	1.719	0.000	-	4.77E-04	3.18E-04	1.59E-04
CKR Slip Road	S3SB	10	0.103	1053	0.013	1.445	0.000	-	4.01E-04	2.68E-04	1.34E-04
CKR Slip Road	S3SB	11	0.103	859	0.014	1.222	0.000	-	3.40E-04	2.26E-04	1.13E-04
CKR Slip Road	S3SB	12	0.103	839	0.014	1.216	0.000	-	3.38E-04	2.25E-04	1.13E-04
CKR Slip Road	S3SB	13	0.103	820	0.014	1.214	0.000	-	3.37E-04	2.25E-04	1.12E-04
CKR Slip Road	S3SB	14	0.103	802	0.015	1.237	0.000	-	3.44E-04	2.29E-04	1.15E-04
CKR Slip Road	S3SB	15	0.103	936	0.015	1.489	0.000	-	4.13E-04	2.76E-04	1.38E-04

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To Vent. Bld. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Slip Road	S3SB	16	0.103	914	0.016	1.508	0.000	-	4.19E-04	2.79E-04	1.40E-04
CKR Slip Road	S3SB	17	0.103	890	0.017	1.524	0.000	-	4.23E-04	2.82E-04	1.41E-04
CKR Slip Road	S3SB	18	0.103	869	0.017	1.525	0.000	-	4.24E-04	2.82E-04	1.41E-04
CKR Slip Road	S3SB	19	0.103	985	0.018	1.779	0.000	-	4.94E-04	3.29E-04	1.65E-04
CKR Slip Road	S3SB	20	0.103	718	0.017	1.263	0.000	-	3.51E-04	2.34E-04	1.17E-04
CKR Slip Road	S3SB	21	0.103	587	0.017	1.003	0.000	-	2.79E-04	1.86E-04	9.29E-05
CKR Slip Road	S3SB	22	0.103	597	0.016	0.994	0.000	-	2.76E-04	1.84E-04	9.20E-05
CKR Slip Road	S3SB	23	0.103	454	0.016	0.725	0.000	-	2.01E-04	1.34E-04	6.71E-05
CKR Slip Road	S3SB	24	0.103	463	0.016	0.759	0.000	-	2.11E-04	1.41E-04	7.03E-05
CKR Landscape Deck	CKRLDSWB	1	0.195	1060	0.015	3.199	0.001	-	8.89E-04	5.95E-04	2.96E-04
CKR Landscape Deck	CKRLDSWB	2	0.195	1063	0.015	3.211	0.001	-	8.92E-04	5.95E-04	2.97E-04
CKR Landscape Deck	CKRLDSWB	3	0.195	533	0.016	1.619	0.000	-	4.50E-04	3.00E-04	1.50E-04
CKR Landscape Deck	CKRLDSWB	4	0.195	536	0.016	1.629	0.000	-	4.52E-04	3.02E-04	1.51E-04
CKR Landscape Deck	CKRLDSWB	5	0.195	536	0.016	1.646	0.000	-	4.57E-04	3.05E-04	1.52E-04
CKR Landscape Deck	CKRLDSWB	6	0.195	1078	0.016	3.317	0.001	-	9.21E-04	6.14E-04	3.07E-04
CKR Landscape Deck	CKRLDSWB	7	0.195	1625	0.016	5.083	0.001	-	1.41E-03	9.41E-04	4.71E-04
CKR Landscape Deck	CKRLDSWB	8	0.195	2719	0.015	8.165	0.002	-	2.27E-03	1.51E-03	7.56E-04
CKR Landscape Deck	CKRLDSWB	9	0.195	3822	0.015	11.298	0.003	-	3.14E-03	2.09E-03	1.05E-03
CKR Landscape Deck	CKRLDSWB	10	0.195	3258	0.015	9.744	0.003	-	2.71E-03	1.80E-03	9.02E-04
CKR Landscape Deck	CKRLDSWB	11	0.195	2700	0.015	8.021	0.002	-	2.23E-03	1.49E-03	7.43E-04
CKR Landscape Deck	CKRLDSWB	12	0.195	2687	0.015	7.962	0.002	-	2.21E-03	1.47E-03	7.37E-04
CKR Landscape Deck	CKRLDSWB	13	0.195	2670	0.015	7.791	0.002	-	2.16E-03	1.44E-03	7.21E-04
CKR Landscape Deck	CKRLDSWB	14	0.195	2657	0.015	7.724	0.002	-	2.15E-03	1.43E-03	7.15E-04
CKR Landscape Deck	CKRLDSWB	15	0.195	3170	0.015	9.119	0.003	-	2.53E-03	1.69E-03	8.44E-04
CKR Landscape Deck	CKRLDSWB	16	0.195	3154	0.015	9.005	0.003	-	2.50E-03	1.67E-03	8.34E-04
CKR Landscape Deck	CKRLDSWB	17	0.195	3134	0.014	8.853	0.002	-	2.46E-03	1.64E-03	8.20E-04
CKR Landscape Deck	CKRLDSWB	18	0.195	3116	0.014	8.715	0.002	-	2.42E-03	1.61E-03	8.07E-04
CKR Landscape Deck	CKRLDSWB	19	0.195	3644	0.014	10.059	0.003	-	2.79E-03	1.86E-03	9.31E-04
CKR Landscape Deck	CKRLDSWB	20	0.195	2622	0.014	7.275	0.002	-	2.02E-03	1.35E-03	6.74E-04
CKR Landscape Deck	CKRLDSWB	21	0.195	2083	0.015	6.111	0.002	-	1.70E-03	1.13E-03	5.66E-04
CKR Landscape Deck	CKRLDSWB	22	0.195	2091	0.015	6.154	0.002	-	1.71E-03	1.14E-03	5.70E-04
CKR Landscape Deck	CKRLDSWB	23	0.195	1655	0.015	4.830	0.001	-	1.34E-03	8.94E-04	4.47E-04
CKR Landscape Deck	CKRLDSWB	24	0.195	1662	0.015	4.934	0.001	-	1.37E-03	9.14E-04	4.57E-04
CKR Landscape Deck	CKRLDNEB	1	0.195	1072	0.014	3.012	0.001	-	8.37E-04	5.58E-04	2.79E-04
CKR Landscape Deck	CKRLDNEB	2	1.195	1080	0.014	18.507	0.005	-	5.14E-03	3.43E-03	1.71E-03
CKR Landscape Deck	CKRLDNEB	3	2.195	543	0.014	16.981	0.005	-	4.72E-03	3.14E-03	1.57E-03
CKR Landscape Deck	CKRLDNEB	4	3.195	548	0.014	24.695	0.007	-	6.86E-03	4.57E-03	2.29E-03
CKR Landscape Deck	CKRLDNEB	5	4.195	553	0.015	33.741	0.009	-	9.37E-03	6.25E-03	3.12E-03
CKR Landscape Deck	CKRLDNEB	6	5.195	1114	0.014	81.737	0.023	-	2.27E-02	1.51E-02	7.57E-03
CKR Landscape Deck	CKRLDNEB	7	6.195	1682	0.014	147.562	0.041	-	4.10E-02	2.73E-02	1.37E-02
CKR Landscape Deck	CKRLDNEB	8	7.195	2823	0.014	275.094	0.076	-	7.64E-02	5.09E-02	2.55E-02
CKR Landscape Deck	CKRLDNEB	9	8.195	3981	0.013	432.938	0.120	-	1.20E-01	8.02E-02	4.01E-02
CKR Landscape Deck	CKRLDNEB	10	9.195	3377	0.014	420.621	0.117	-	1.17E-01	7.79E-02	3.89E-02
CKR Landscape Deck	CKRLDNEB	11	10.195	2784	0.014	386.182	0.107	-	1.07E-01	7.15E-02	3.58E-02
CKR Landscape Deck	CKRLDNEB	12	11.195	2758	0.014	421.903	0.117	-	1.17E-01	7.81E-02	3.91E-02
CKR Landscape Deck	CKRLDNEB	13	12.195	2729	0.014	457.377	0.127	-	1.27E-01	8.47E-02	4.23E-02
CKR Landscape Deck	CKRLDNEB	14	13.195	2700	0.014	491.629	0.137	-	1.37E-01	9.10E-02	4.55E-02
CKR Landscape Deck	CKRLDNEB	15	14.195	3207	0.014	632.361	0.176	-	1.76E-01	1.17E-01	5.86E-02
CKR Landscape Deck	CKRLDNEB	16	15.195	3173	0.014	671.530	0.187	-	1.87E-01	1.24E-01	6.22E-02
CKR Landscape Deck	CKRLDNEB	17	16.195	3139	0.014	711.048	0.198	-	1.98E-01	1.32E-01	6.58E-02
CKR Landscape Deck	CKRLDNEB	18	17.195	3105	0.014	749.775	0.208	-	2.08E-01	1.39E-01	6.94E-02
CKR Landscape Deck	CKRLDNEB	19	18.195	3671	0.014	936.186	0.260	-	2.60E-01	1.73E-01	8.67E-02
CKR Landscape Deck	CKRLDNEB	20	19.195	2667	0.014	715.687	0.199	-	1.99E-01	1.33E-01	6.63E-02
CKR Landscape Deck	CKRLDNEB	21	20.195	2079	0.015	610.274	0.170	-	1.70E-01	1.13E-01	5.65E-02
CKR Landscape Deck	CKRLDNEB	22	21.195	2096	0.015	645.682	0.179	-	1.79E-01	1.20E-01	5.98E-02
CKR Landscape Deck	CKRLDNEB	23	22.195	1613	0.014	515.716	0.143	-	1.43E-01	9.55E-02	4.78E-02
CKR Landscape Deck	CKRLDNEB	24	23.195	1628	0.014	541.877	0.151	-	1.51E-01	1.00E-01	5.02E-02

Notes:

- (1) Assume 50%/50% split into portal & VB (referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009)
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehiclar Emission factor"

Tunnel	Vent. Bld./Portal	Hour	Tunnel Length (km)	Traffic Flow (veh/hr)	Emission Factor (g/VKT)	Emission Rate (g/hr)	Emission Rate (g/s)	To East Tunnel (g/s)	Overall Emission Rate (g/s)	To Vent. BLD. (g/s)	To Portal (g/s)	First 50m (g/s)	Second 50m (g/s)
CKR Tunnel	CKRTWEB	1	2	1072	0.014	30.890	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	2	2	1080	0.014	30.974	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	3	2	543	0.014	15.472	0.004	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	4	2	548	0.014	15.459	0.004	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	5	2	553	0.015	16.086	0.004	0.003	-	-	-	-	-
CKR Tunnel	CKRTWEB	6	2	1114	0.014	31.467	0.009	0.006	-	-	-	-	-
CKR Tunnel	CKRTWEB	7	2	1682	0.014	47.639	0.013	0.009	-	-	-	-	-
CKR Tunnel	CKRTWEB	8	2	2823	0.014	76.468	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	9	2	3981	0.013	105.659	0.029	0.021	-	-	-	-	-
CKR Tunnel	CKRTWEB	10	2	3377	0.014	91.489	0.025	0.018	-	-	-	-	-
CKR Tunnel	CKRTWEB	11	2	2784	0.014	75.759	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	12	2	2758	0.014	75.373	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	13	2	2729	0.014	75.011	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	14	2	2700	0.014	74.517	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	15	2	3207	0.014	89.096	0.025	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	16	2	3173	0.014	88.388	0.025	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	17	2	3139	0.014	87.811	0.024	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	18	2	3105	0.014	87.209	0.024	0.017	-	-	-	-	-
CKR Tunnel	CKRTWEB	19	2	3671	0.014	102.906	0.029	0.020	-	-	-	-	-
CKR Tunnel	CKRTWEB	20	2	2667	0.014	74.570	0.021	0.015	-	-	-	-	-
CKR Tunnel	CKRTWEB	21	2	2079	0.015	60.438	0.017	0.012	-	-	-	-	-
CKR Tunnel	CKRTWEB	22	2	2096	0.015	60.928	0.017	0.012	-	-	-	-	-
CKR Tunnel	CKRTWEB	23	2	1613	0.014	46.471	0.013	0.009	-	-	-	-	-
CKR Tunnel	CKRTWEB	24	2	1628	0.014	46.724	0.013	0.009	-	-	-	-	-
CKR Tunnel	CKRTEEB	1	1.75	1072	0.014	27.029	0.008	-	1.34E-02	1.21E-02	1.34E-03	8.95E-04	4.48E-04
CKR Tunnel	CKRTEEB	2	1.75	1080	0.014	27.102	0.008	-	1.35E-02	1.21E-02	1.35E-03	8.98E-04	4.49E-04
CKR Tunnel	CKRTEEB	3	1.75	543	0.014	13.538	0.004	-	6.72E-03	6.05E-03	6.72E-04	4.48E-04	2.24E-04
CKR Tunnel	CKRTEEB	4	1.75	548	0.014	13.526	0.004	-	6.72E-03	6.04E-03	6.72E-04	4.48E-04	2.24E-04
CKR Tunnel	CKRTEEB	5	1.75	553	0.015	14.076	0.004	-	6.99E-03	6.29E-03	6.99E-04	4.66E-04	2.33E-04
CKR Tunnel	CKRTEEB	6	1.75	1114	0.014	27.534	0.008	-	1.37E-02	1.23E-02	1.37E-03	9.11E-04	4.56E-04
CKR Tunnel	CKRTEEB	7	1.75	1682	0.014	41.684	0.012	-	2.07E-02	1.86E-02	2.07E-03	1.38E-03	6.90E-04
CKR Tunnel	CKRTEEB	8	1.75	2823	0.014	66.910	0.019	-	3.35E-02	3.02E-02	3.35E-03	2.24E-03	1.12E-03
CKR Tunnel	CKRTEEB	9	1.75	3981	0.013	92.452	0.026	-	4.65E-02	4.19E-02	4.65E-03	3.10E-03	1.55E-03
CKR Tunnel	CKRTEEB	10	1.75	3377	0.014	80.053	0.022	-	4.03E-02	3.63E-02	4.03E-03	2.69E-03	1.34E-03
CKR Tunnel	CKRTEEB	11	1.75	2784	0.014	66.289	0.018	-	3.32E-02	2.99E-02	3.32E-03	2.21E-03	1.11E-03
CKR Tunnel	CKRTEEB	12	1.75	2758	0.014	65.952	0.018	-	3.31E-02	2.97E-02	3.31E-03	2.20E-03	1.10E-03
CKR Tunnel	CKRTEEB	13	1.75	2729	0.014	65.634	0.018	-	3.29E-02	2.96E-02	3.29E-03	2.19E-03	1.10E-03
CKR Tunnel	CKRTEEB	14	1.75	2700	0.014	65.203	0.018	-	3.27E-02	2.94E-02	3.27E-03	2.18E-03	1.09E-03
CKR Tunnel	CKRTEEB	15	1.75	3207	0.014	77.959	0.022	-	3.91E-02	3.52E-02	3.91E-03	2.60E-03	1.30E-03
CKR Tunnel	CKRTEEB	16	1.75	3173	0.014	77.340	0.021	-	3.87E-02	3.48E-02	3.87E-03	2.58E-03	1.29E-03
CKR Tunnel	CKRTEEB	17	1.75	3139	0.014	76.834	0.021	-	3.84E-02	3.46E-02	3.84E-03	2.56E-03	1.28E-03
CKR Tunnel	CKRTEEB	18	1.75	3105	0.014	76.307	0.021	-	3.84E-02	3.46E-02	3.84E-03	2.56E-03	1.28E-03
CKR Tunnel	CKRTEEB	19	1.75	3671	0.014	90.043	0.025	-	4.53E-02	4.08E-02	4.53E-03	3.02E-03	1.51E-03
CKR Tunnel	CKRTEEB	20	1.75	2667	0.014	65.249	0.018	-	3.27E-02	2.94E-02	3.27E-03	2.18E-03	1.09E-03
CKR Tunnel	CKRTEEB	21	1.75	2079	0.015	52.883	0.015	-	2.63E-02	2.37E-02	2.63E-03	1.75E-03	8.77E-04
CKR Tunnel	CKRTEEB	22	1.75	2096	0.015	53.312	0.015	-	2.65E-02	2.39E-02	2.65E-03	1.77E-03	8.84E-04
CKR Tunnel	CKRTEEB	23	1.75	1613	0.014	40.662	0.011	-	2.02E-02	1.82E-02	2.02E-03	1.35E-03	6.74E-04
CKR Tunnel	CKRTEEB	24	1.75	1628	0.014	40.883	0.011	-	2.03E-02	1.83E-02	2.03E-03	1.35E-03	6.77E-04
CKR Tunnel	CKRTEVB	1	-	-	-	-	0.012	-	2.42E-03	-	-	-	-
CKR Tunnel	CKRTEVB	2	-	-	-	-	0.012	-	2.42E-03	-	-	-	-
CKR Tunnel	CKRTEVB	3	-	-	-	-	0.006	-	1.21E-03	-	-	-	-
CKR Tunnel	CKRTEVB	4	-	-	-	-	0.006	-	1.21E-03	-	-	-	-
CKR Tunnel	CKRTEVB	5	-	-	-	-	0.006	-	1.26E-03	-	-	-	-
CKR Tunnel	CKRTEVB	6	-	-	-	-	0.012	-	2.46E-03	-	-	-	-
CKR Tunnel	CKRTEVB	7	-	-	-	-	0.019	-	3.73E-03	-	-	-	-
CKR Tunnel	CKRTEVB	8	-	-	-	-	0.030	-	6.04E-03	-	-	-	-
CKR Tunnel	CKRTEVB	9	-	-	-	-	0.042	-	8.37E-03	-	-	-	-
CKR Tunnel	CKRTEVB	10	-	-	-	-	0.036	-	7.25E-03	-	-	-	-
CKR Tunnel	CKRTEVB	11	-	-	-	-	0.030	-	5.97E-03	-	-	-	-
CKR Tunnel	CKRTEVB	12	-	-	-	-	0.030	-	5.95E-03	-	-	-	-
CKR Tunnel	CKRTEVB	13	-	-	-	-	0.030	-	5.92E-03	-	-	-	-
CKR Tunnel	CKRTEVB	14	-	-	-	-	0.029	-	5.88E-03	-	-	-	-
CKR Tunnel	CKRTEVB	15	-	-	-	-	0.035	-	7.03E-03	-	-	-	-
CKR Tunnel	CKRTEVB	16	-	-	-	-	0.035	-	6.97E-03	-	-	-	-
CKR Tunnel	CKRTEVB	17	-	-	-	-	0.035	-	6.92E-03	-	-	-	-
CKR Tunnel	CKRTEVB	18	-	-	-	-	0.035	-	6.91E-03	-	-	-	-
CKR Tunnel	CKRTEVB	19	-	-	-	-	0.041	-	8.16E-03	-	-	-	-
CKR Tunnel	CKRTEVB	20	-	-	-	-	0.029	-	5.88E-03	-	-	-	-
CKR Tunnel	CKRTEVB	21	-	-	-	-	0.024	-	4.74E-03	-	-	-	-
CKR Tunnel	CKRTEVB	22	-	-	-	-	0.024	-	4.77E-03	-	-	-	-
CKR Tunnel	CKRTEVB	23	-	-	-	-	0.018	-	3.64E-03	-	-	-	-
CKR Tunnel	CKRTEVB	24	-	-	-	-	0.018	-	3.65E-03	-	-	-	-

Notes:

- (1) The calculation is referenced to "Appendix 4.8 - Details of Emission from Portals and Ventilation Buildings and Calculations" of the approved CKR EIA report.
- (2) Emission factors and Traffic flow are listed in "Appendix 3.3 - Vehicular Emission factor"
- (3) The Air Purification System (APS) installed in CKR ventilation system can remove 80% of NO2 and 80% of RSP and it is assumed that there is 7.5% NO2 among Nox from the tailpipe emission according to EPD's Guidelines on Choice of Models and Model Parameters.
- (4) It is assumed that APS also has a 80% removal efficiency on FSP.