



APPENDIX E

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NOISE ASSESSMENTS OF THE PREFERRED OPTIONS

ASSESSMENT METHODOLOGY

Introduction

1. The method adopted for the assessment of the Preferred Options with respect to forecast noise levels was used in the Assessment of the Initial and Hybrid Options and maintained for use in the Preferred Options. The methodology is internationally accepted as a standard method for assessments of this nature and is considered to be wholly appropriate for the comparative assessment of development proposals.

Method

2. The method of estimating the future noise levels at a given location used the data provided by the Transport Section. Data provided were extracted from the transport model, the results of which are reported in Technical Note No.4 (Revised) Transport Analysis of Preferred Options, February 1995. Data provided included for each location selected : peak and daily two way vehicle flow rates, vehicle speeds and the percentage of goods vehicles.
3. The equation used to estimate future noise levels is given below:

$$\text{BNL} = N + \text{correction factor}$$

$$\begin{aligned} \text{where } N &= 42.2 + 10 \log q \\ q &= 2 \text{ directional flow (veh/hr)} \end{aligned}$$

and

$$\begin{aligned} \text{correction factor} &= X + Y - 68.8 \\ X &= 66 \text{ (speed correction)} \\ Y &= 10 \log(1+5p/v) \\ p &= \% \text{ goods vehicles} \\ v &= \text{velocity} \end{aligned}$$

4. The Basic Noise Levels (BNL's) were initially calculated and then translated to the forecast noise level at 50m from the centre of the road by subtracting 6dB(A) from the BNL. This was to reflect the situation most sensitive receivers would perceive, rather than the extreme worst case scenario.
5. Assessments of noise generated by rail traffic were also based on the data provided by the Transport Section of PlanD and on information sourced from the Rail Development Study and the Freight Transport Study.

APPENDIX E

NOISE ASSESSMENT CALCULATION TABLES

E1. Interface Between Rail and Residential Areas

Section of Rail By Sub-Region	At Grade or on Elevated Structure	Interface with Existing Residential Areas
METRO Tsim Sha Tsui - Shek Kip Mei then into tunnel Hung Hom - Kowloon Tong Cheung Sha Wan along WKR Kowloon Bay Reclamation Ma Tau Kok - Kai Tak Reclamation Central and Wanchai Reclamation	at grade at grade at grade at grade, includes depot at grade, some tunnel at grade on reclamation	yes yes no no no no
NWNT Yuen Kong San Tsuen - Kam Tin with a branch to Nam San Wai Nam Hong Pat - Shek Tong Tsuen Kam Tin - Yuen Long Hung Shui Kiu - Tin Shui Wai Kam Tin - Fairview Park Lo Wu Crossing San Tin - Lo Wu Kam Tin - Lantau Port Penny's Bay - Lantau Port	at grade at grade at grade at grade at grade at grade at grade at grade at grade	small villages adjacent to route 7 small villages villages & in Yuen Long Long THA & villages 200m away Pok Wai-reprovision Ancestral Hall & villages 200m away none none none
NENT Tai Wai Depot through Amusement Park Tai Wai - Tai Lung Hau Tai Wai - Ma On Shan	elevated structure at grade at grade	<200m - adjacent estates <200m - Hip Keng Estate 200m - Heng On Estate
SENT Lam Tin - Po Lam	in tunnel, but sidings at grade	Yuen Lam Estate, potential for Residential/retail development on site

Notes

- (1) Information Supplied in the Railway Development Study has been used in this Assessment in conjunction with the Hybrid Option Layout Drawings.
- (2) Only those sections of the railway line, sidings or depot areas which are at grade or on elevated structures have been included in Table N1. The remaining sections are in tunnel and thus will have minimal environmental impact.

E2. Estimated Volume of Rolling Stock of Passenger Rail

Location	Rolling Stock
METRO	
Ap Lei Chau-Pacific Place	18
Telegraph Bay-Ocean Park	10
Chai Wan - Telegraph Bay	36
Chai Wan- Green Island Reclamation	39
West Kowloon - Diamond Hill	16
West Kowloon - Diamond Hill	23
Ma Tau Kok - Lam Tin	5
West Kowloon - Diamond Hill	23
Ma Tau Kok - Po Lam	16
Tsing Yi - Exhibition	10
Yau Ma Tei-Quarry Bay-Exhibition	40
Central - Tin Hau	13
Ap Lei Chau - Exhibition	22
NWNT	
Central- Tin Shui Wai	19
Central- Tuen Wan	44
HK -Tuen Wan Central	2
HK - Tin Shui Wai	15
HK - Tsuen Wan Central	2
HK - Tuen Mun	18
Kam Tin - Lo Wu	4
Central- Sheung Fa Shan	36
Tuen Mun - Yam O	7
Tuen Mun - Green Island Reclamation	12
NENT	
Diamond Hill- City One	7
Diamond Hill - Ma On Shan	10
Ma On Shan - Cheung Sha Wan	17
City One - Cheung Sha Wan	17
Tai Wai - Ma On Shan	13
Ma On Shan - Tsing Yi	9
City One - Tsing Yi	3
Exhibition - Lo Wu	14
Exhibition - Sheung Shui	13
Exhibition - Tai Po Market	6
Exhibition - Fo Tan	3
SENT	
Yau Ma Tei - Quarry Bay	15
Yau Ma Tei - Po Lam	20
SWNT	
Tung Chung - Exhibition	18

Note The values included in the above table were taken from the RDS. However it was not possible to relate them to individual Preferred Options

E3. AM and Off-Peak Train Speeds and Headways (AM Peak)

Location and Mode	2001		2011	
	A	B	A	B
KCR				
541	32/19.0	32/19.0	32/19.0	32/19.0
542	42/6.0	43/6.0	41/4.6	41/4.3
543	44/8.2	44/8.2	44/7.5	44/10.3
544	45/8.2	45/8.2	45/6.9	45/8.2
548	51/4.2	51/4.2	51/2.5	51/2.3
549	43/9.9	43/11.0	43/9.0	43/9.9
550	48/7.0	48/7.0	48/7.8	48/7.8
551	57/10.5	51/10.5	51/9.1	51/9.1
552	48/6.2	48/16.2	48/112.9	48/7.2
595	30/7.1	30/7.1	30/5.3	30/5.3
596			22/5.7	33/4.1
MTR				
547	67/14.1	67/14.1	62/5.3	62/4.0
581	28/4.7	28/4.7	28/4.7	28/4.1
582	29/1.9	29/1.8	29/1.8	29/1.8
583	26/7.0	26/5.6	28/4.8	28/4.8
584	26/3.1	26/3.1	28/3.1	28/2.8
585	33/3.2	33/3.2	33/3.1	33/2.7
590	28/5.1	28/5.1	28/3.2	28/2.8
LRT				
553	21/9.3	21/9.3	21/9.3	21/7.8
554	24/8.0	24/8.0	24/9.1	24/8.0
555	24/6.7	24/6.7	24/9.2	24/9.2
556	25/7.6	25/7.6	25/13.6	25/13.6
559	23/7.4	23/7.4	23/8.9	23/7.4
560	24/8.1	24/8.1	24/8.1	24/8.1
561	25/10.8	25/10.8	25/7.5	25/7.5
572	18/14.4	18/14.4	18/14.4	18/14.4
573	24/5.5	24/5.5	24/4.3	24/3.6
575			21/1.8	21/1.6
576			20/8.0	20/6.4

Note

1. am peak/offpeak velocity (km/hr)
2. 32/19.0 am peak frequency of trains (minutes)

E4 Direct Interface of Major New Roads and Rail With Residential Areas (km)

Location	2001		2006		2011	
	A	B	A	B	A	B
METRO	16	16	13.5	13.5	18.0	18.0
NWNT	3.5	3.5	7.5	7.5	5.5	5.5
NENT						
SENT					2.0	2.0
SWNT					1.0	1.0
Total	19.5	19.5	21.0	21.0	27.0	27.0

E5. Interface With Other Noise Sensitive Areas (km)

Location/ NSR	2001		2006		2011	
	A	B	A	B	A	B
Agriculture METRO NWNT NENT SENT SWNT			1.0km 3.0km	0.2km 1.7km	0.2km 2.7km	0.7km 2.7km
Country Parks METRO NWNT NENT SENT SWNT			3.2km 0.4km	1.3km 2.5km 0.4km	1.5km 7.5km 2.7km	2.6km 6.6km 1.6km
SSSI's METRO NWNT NENT SENT SWNT			0.6km	0.6km	0.6km	0.6km
Cultivated Areas METRO NWNT NENT SENT SWNT			2.3km 2.7km 3.3km	2.7km 1.5km 1.9km 3.2km	2.6km 4.8km 2.5km 5.5km	2.7km 4.8km 3.5km 4.8km
Total (km)			16.5	16.0	30.6	30.6

E6. Forecast Basic Noise Levels With Reference to the Baseline Year 1991.

Counting Station	Baseline dB(A) @50m	2001		2006		2011	
		A	B	A	B	A	B
		dB(A) @50m	dB(A) @50m	dB(A) @50m	dB(A) @50m	dB(A) @50m	dB(A) @50m
Hong Kong Island							
1001	78.3	74.9	74.7	74.5	74.0	74.2	74.8
1002	77.9	76.5	76.7	74.3	74.0	74.0	74.3
1003	76.9	77.0	77.1	77.4	77.4	77.9	78.3
1004	73.3	76.7	76.8	77.2	77.2	76.6	76.9
1005	70.9	73.0	73.1	73.1	72.9	72.1	72.1
1006	76.3	75.0	75.2	74.6	74.8	75.5	76.7
1007	72.7	72.9	73.2	73.2	73.2	73.5	74.2
1008	68.5	69.7	71.1	71.2	72.1	71.2	71.6
1009	70.1	73.5	73.7	74.2	74.0	74.7	74.5
1010	73.6	76.4	76.5	76.8	76.7	76.4	76.6
1012	65.9	68.4	69.3	63.6	63.9	65.8	69.9
1013	63.3	60.4	60.4	61.0	60.4	62.6	64.0
1015	68.4	67.7	68.1	68.3	68.6	68.3	68.4
1017	70.6	74.4	74.6	74.8	74.8	76.3	76.5
1019	66.0	68.9	69.0	69.3	69.2	69.5	69.8
1020	67.1	69.4	65.4	65.6	65.8	65.8	65.8
1022	76.1	73.0	72.1	73.0	73.0	72.6	72.9
1025	74.5	76.7	76.6	77.4	77.7	77.6	77.8
Kowloon							
3001	74.9	74.2	73.8	73.9	73.9	73.8	74.1
3002	77.4	77.4	77.4	77.0	77.3	77.2	77.3
3003	76.9	79.2	79.1	77.0	77.8	78.0	78.6
3004	74.4	78.3	77.8	76.0	76.4	76.9	77.7
3005	69.7	70.2	70.0	70.8	71.1	70.9	71.5
3006	71.3	73.8	73.1	73.8	73.9	74.0	74.2
3007	72.7	73.0	72.9	72.5	72.6	73.1	73.7
3008	74.8	75.5	75.4	75.8	76.2	75.3	75.5
3009	71.7	70.6	70.8	71.4	71.6	71.6	72.0
3010	73.0	71.9	71.8	71.7	71.5	71.4	71.8
3011	70.7	74.0	73.9	73.8	73.9	73.8	74.0
3012	74.9	74.1	74.1	73.6	73.7	73.2	73.8
3013	70.5	68.9	69.9	69.4	68.9	69.5	70.0
3014	73.0	72.6	72.6	70.6	71.2	71.5	71.6
3016	70.1	70.6	71.2	71.1	71.2	71.3	71.1
3021	69.2	71.4	71.1	72.4	72.3	72.9	73.9

Counting Station	Baseline dB(A) @50m	2001		2006		2011	
		A	B	A	B	A	B
		dB(A) @50m	dB(A) @50m	dB(A) @50m	dB(A) @50m	dB(A) @50m	dB(A) @50m
N.T.							
4201	74.3	74.1	73.0	73.8	74.3	75.4	74.8
5001	76.4	77.6	77.8	77.9	77.9	78.1	77.2
5002	74.6	75.5	75.5	79.1	79.2	79.3	79.3
5003	73.5	77.0	77.4	78.9	78.8	80.0	79.3
5004	74.8	76.2	75.5	76.7	77.5	77.1	77.3
5005	72.4	74.0	74.6	75.4	75.5	76.8	76.2
5006	73.2	74.8	75.0	74.9	75.0	75.1	75.3
5012	79.6	79.0	79.4	79.7	79.9	79.3	80.3
5013	78.4	77.6	78.1	78.6	78.6	79.4	79.0
5014	68.8	72.6	73.0	73.1	72.7	73.2	72.8
5015	59.8	65.5	65.2	66.5	66.1	66.4	66.7
5016	73.4	80.7	80.9	81.3	81.2	81.7	81.7
5017	71.6	71.0	71.0	70.0	70.2	70.3	70.9
5018	74.3	77.6	77.8	77.7	78.1	77.3	77.4
5019	75.8	77.4	77.8	78.0	78.8	78.7	79.4
5020	75.0	75.2	75.8	77.3	77.6	77.7	78.1
5021	69.8	75.2	75.1	74.8	75.2	75.3	75.7
5022	76.9	77.2	77.2	77.9	78.4	78.5	78.7
5101	67.6	72.5	72.3	73.6	73.5	73.9	73.7

Locations of Major Counting Stations

MAJOR COUNTING STATIONS (From - To)

ATC Station Number	Road
Hong Kong Island	
1001	Harcourt Road : Tamar Street - Arsenal Street
1002	Victoria Park Road : Houston Street - Island Eastern Corridor
1003	Island Eastern Corridor : Healthy Street Interchange - Taikoo Shing Interchange
1004	Aberdeen Tunnel : North Portal to Wong Chuk Hang Road
1005	Pok Fu Lam Road : Sassoon Road - Chi Fu Road
1006	Connaught Road West : Water Street - Eastern Street
1007	Queensway : Rodney Street - Queen's Road East
1008	King's Road : North Point Road - Tong Shui Road
1009	Chai Wan Road : Island Eastern Corridor - Tai Tam Road
1010	Wong Chuk Hang Road : Nam Long Shan Road - Nam Fung Road
1012	Belcher's Street : Sands Street - Queen's Road West
1013	Caine Road : Seymour Street - Aberdeen Street
1015	Stubbs Road : Queen's Road East - Northern End of Stubbs Road
1017	Ap Lei Chau Bridge : Wong Chuk Hang Road - Ap Lei Chau Estate
1019	Hollywood Road : Queens Road West - Ladder Street
1020	Lockhart Road : Arsenal Street - Percival Street
1022	Cross Harbour Tunnel : Toll Plaza - South Portal
1025	Eastern Harbour Tunnel : Toll Plaza - South Portal
Kowloon	
3001	Princess Margaret Road : Wylie Road - Pui Ching Road
3002	Lung Cheung Road : Nam Cheong Street - Lion Rock Tunnel Road
3003	Prince Edward Road East : Choi Hung Road - Eastern Road Flyover
3004	Airport Tunnel : Sung Wong Toi Road - Kai Cheung Road
3005	Chatham Road South : Salisbury Road - Mody Road
3006	Nathan Road : Shantung Street - Dundas Street
3007	Canton Road : Austin Road - Kowloon Park Drive
3008	Lai Chi Kok Road : Tonkin Street - Hing Wah Street
3009	Tai Po Road : Nam Cheong Street - Kweilin Street
3010	Prince Edward Road West : La Salle Road - Waterloo Road
3011	Shun Ching Street : San Lee Street - Shun King Street
3012	Kwun Tong Road : Ngau Tau Kok Road - Kwun Tong Road No. 330
3013	Austin Road : Cox's Road - Chatham Road
3014	Ma Tau Wai Road : To Kwa Wan Road San Lau Street - Chi Kiang Street
3016	Junction Road : Nga Tsin Wai Road - Tung Tau Tsuen Road
3021	Mody Road : Nathan Road - Chatham Road South
New Territories	
4201	Tai Po Road : Caldicott Road - Tai Po Road Interchange
5001	Tuen Mun Road and Castle Peak Road : Pui To Road - Chung Wong Toi Interchange
5002	Sha Tin Road : Lion Rock Tunnel Road - Sha Tin Wai Road
5003	Fanling Bypass : So Kwun Road - Wo Hop Shek Interchange
5004	Castle Peak Road : Tai Wo Interchange - Wo Yi Hop Road
5005	Tai Chung Kiu Road and Ma On Shan Road : Siu Lek Road - Hang Hong Street
5006	Ting Kok Road : Nam Wan Road - Dai Kwai Street
5008	Yuen Long Tai Yuk Road and Kau Yuk Road : Castle Peak Road - Hong Lok Road
5012	Tuen Mun Road : Castle Peak Road (Tsuen Wan) - Sham Tseng
5013	Tolo Highway : North of Ma Liu Shui Interchange - Yuen Chau Tsai Interchange
5014	Route Twisk : Chuen Lung - Cheung Pei Shan Roundabout
5015	South Lantau Road : Mui Wo Ferry Pier - Chi Ma Wan Road
5016	Castle Peak Road (Tai Mi) : Kam Tin Road - Fairview Park Boulevard
5017	Clearwater Bay Road : Anderson Road - Hiram's Highway

5018	Tsing Tsuen Bridge : Tsing Tsuen Interchange - Tam Kau Shan Interchange
5019	Castle Peak Road (Yuen Long) : Yuen Long On Lok Road - Kam Tin Road
5020	Shing Mun Tunnel : Toll Plaza - East Portal
5021	Tseung Kwan O Tunnel : Toll Plaza - East Portal
5022	Tate's Cairn Tunnel : Toll Plaza - South Portal
5101	Chui Tin Street : Che Kung Mui Road - End

Screenline/Cordon

A-A	Urban Railway Line
C-C	Kowloon Peninsula South of Dundas Street
F-F	East End of Central
G-G	East End of Causeway Bay
I-I	Boundary Between Shau Kei Wan & Chai Wan
K-K	West End of Kwun Tong
R-R	North End of Tsuen Wan & Sha Tin
S-S	East End of Tuen Mun & Yuen Long
T-T	North End of Tai Po & Yuen Long
HK External	Boundary between the Northern Part and Southern Part of Hong Kong Island
HK Internal	Central District
KLN External	Kowloon Urban Area Boundary

E6 Noise Levels at 50m for all the Screen lines

	2001A Peak Hour Flow dB(A)
Screen line A-A	
3002	77.4
	77.7
4206	71.3
4202	75.3
4203	75.3
4204	75.7
4205	72.0
3001	74.1
	74.1
4208	79.8
4207	69.8*
	76.5
	86.5
Screenline C-C	
	80.7
	70.2
	76.4
	71.9
4214	63.1*
4210	65.2*
4209	73.7
3006	70.4
4215	72.0
4205	74.1
3001	74.1
	74.1
4211	71.5
4213	79.0
4212	73.9
3014	72.4
	86.4
Screenline F-F	
	71.3
	69.9*
1001	74.9
	74.0
1007	72.8
2213	65.5*
	80.0
Screenline G-G	
	70.7
1002	76.4
	74.3
2214	72.0
2406	64.0*
2204	63.0*
	80.1

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2001A Peak Hour Flow dB(A)
Screenline I-I	
1009	73.5
2215	75.8
	77.9
Screenline K-K	
3004	71.8 78.3 73.2 67.2* 77.2
4218	70.7 66.2*
4216	77.9 78.3
4217	77.1 58.3*
	85.5
Screenline R-R	
6209	78.7 79.9 71.2
5012	79.0
5014	72.4
6210	74.8
5013	77.6
	85.7
Screenline S-S	
6209	78.7 79.9 71.2
5012	79.0
6208	71.5
6207	64.8* 74.7
5016	71.1 80.6
	86.4
Screenline T-T	
5016	71.1 80.6
6212	74.0 63.0*
5003	77.0
6206	75.2
6211	74.7
	84.3

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2001A Peak Hour Flow dB(A)
Hong Kong External Cordon	
2206	67.9*
	67.8*
2201	72.8
2205	67.9*
2203	67.1*
1004	76.6
2202	68.9*
1021	68.9*
	80.1
Hong Kong Internal Cordon	
	71.3
	69.9*
1001	74.9
	74.0
1007	72.8
2211	69.4*
2211	66.9*
2211	57.1*
2212	71.0
2208	69.6*
2403	66.1*
2210	66.7*
2209	68.2*
2207	74.1
2216	74.8
	83.1
Kowloon External Cordon	
6401	68.1*
	80.8
6201	80.3
6204	70.3
6203	76.0
	74.3
4201	74.7
6202	72.9
	74.0
5022	77.7
5017	71.4
6205	67.9*
5021	75.5
	87.0

* indicates compliance with the HKPSG

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2001B Peak Hour Flow dB(A)
Screen line A-A	
3002	77.3
	77.9
4206	71.4
4202	75.5
4203	76.0
4204	75.5
4205	72.1
3001	73.6
	74.4
	79.4
4208	70.5
4207	76.7
	86.5
Screenline C-C	
	80.2
	70.2
	76.9
	71.6
4214	63.0*
4210	65.6*
4209	73.0
3006	71.0
4215	72.1
4205	73.6
3001	74.4
	71.7
4211	78.5
4213	73.5
4212	72.5
3014	
	86.2
Screenline F-F	
	71.5
	70.1
1001	74.6
	74.2
1007	73.1
2213	65.9*
	80.2
Screenline G-G	
	71.7
1002	76.6
	74.0
2214	72.1
2406	64.6*
2204	62.8*
	80.3

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2001B Peak Hour Flow dB(A)
Screenline I-I	
1009	73.7
2215	76.0
	78.0
Screenline K-K	
3004	72.1
	77.7
	73.6
	68.2*
	77.2
4218	71.1
	66.2*
4216	77.8
	78.2
4217	77.0
	59.1*
	85.5
Screenline R-R	
	79.1
	80.0
6209	71.9
5012	79.3
5014	73.0
6210	75.0
5013	78.1
	86.0
Screenline S-S	
	79.1
	80.0
6209	71.9
5012	79.3
6208	71.4
6207	66.2*
	74.8
	71.2
5016	80.8
	86.7
Screenline T-T	
	71.2
5016	80.8
6212	74.8
	61.9*
5003	77.3
6206	75.8
6211	75.0
	84.6

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2001B Peak Hour Flow dB(A)
Hong Kong External Cordon	
2206	68.0*
	67.9*
2201	72.8
2205	68.0*
2203	67.4*
1004	76.7
2202	69.3*
1021	69.0*
	80.0
Hong Kong Internal Cordon	
	71.5
	70.1
1001	74.6
	74.2
1007	73.1
2211	69.2*
2211	67.5*
2211	56.7*
2212	71.1
2208	69.7*
2403	66.2*
2210	67.2*
2209	67.8*
2207	74.3
2216	74.8
	83.2
Kowloon External Cordon	
6401	68.3*
	80.4
6201	79.9
6204	70.9
6203	75.1
	75.0
4201	73.5
6202	72.7
	74.1
5022	77.6
5017	71.4
6205	68.7*
5021	75.5
	86.7

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2006A Peak Hour Flow dB(A)
Screen line A-A	
3002	76.9
	77.7
4206	72.0
4202	75.5
4203	75.0
4204	75.2
4205	72.0
3001	73.9
	74.1
	79.1
4208	78.3
4207	71.5
	76.8
	87.0
Screenline C-C	
	76.5
	81.3
	71.3
	77.4
4214	72.9
4210	63.9*
4209	65.5*
3006	73.8
4215	71.5
4205	72.0
3001	73.9
	74.1
4211	71.6
4213	77.3
4212	72.4
3014	70.6
	79.1
	76.7
	69.7*
	87.8
Screenline F-F	
	76.1
	69.7*
	67.0*
1001	74.4
	73.1
1007	73.1
2213	65.4*
	81.0

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2006A Peak Hour Flow dB(A)
Screenline G-G	
1002	77.1 74.2 73.5
2214	71.7
2406	63.6*
2204	63.3*
	80.8
Screenline I-I	
1009	74.1
2215	76.3
	78.3
Screenline K-K	
3004	69.7* 76.7 79.1 74.9 76.0 73.9 66.3*
4218	77.0 69.8* 66.5*
4216	76.9
4217	77.9 76.8 58.7*
	86.6
Screenline R-R	
6209	77.2 78.9 72.7
5012	79.6
5014	73.0
6210	75.4
5013	78.6
	85.7
Screenline S-S	
6209	77.2 78.9 72.7
5012	79.6
6208	72.7
6207	68.9* 74.5 70.9
5016	81.3
	86.4

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

Screenline T-T	2006A Peak Hour Flow dB(A)
	70.9
5016	81.3
6212	74.4
	61.2*
5003	78.9
6206	74.2
6211	74.9
	84.9
Hong Kong External Cordon	
2206	69.5*
	68.0*
2201	72.7
2205	68.6*
2203	67.7*
1004	77.2
2202	69.8*
1021	69.5*
	80.7
Hong Kong Internal Cordon	
	76.1
	69.7*
	67.0*
1001	74.4
	73.1
1007	73.1
2211	69.8*
2211	67.2*
2211	56.1*
2212	71.6
2208	69.4*
2403	65.8*
2210	67.7*
2209	67.6*
2207	72.4
2216	77.8
	84.0

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2006A Peak Hour Flow dB(A)
Kowloon External Cordon	
6401	69.6*
	80.8
6201	80.7
6204	70.5
6203	76.5
	74.3
4201	74.2
6202	73.8
	74.8
5022	78.2
5017	70.3
6205	67.5*
5021	75.2
	72.4
	87.3

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2006B Peak Hour Flow dB(A)
Screen line A-A	
3002	77.3 77.6 72.7
4206	75.7
4202	75.5
4203	75.1
4204	72.3
4205	73.8
3001	74.6 79.3 78.6
4208	72.1
4207	77.3
	87.3
Screenline C-C	
	76.8 81.7 71.6 77.3 74.1
4214	63.8*
4210	65.7*
4209	73.9
3006	71.7
4215	72.3
4205	73.8
3001	74.6 71.9 77.5 72.6 71.0
4211	79.3
4213	77.0
4212	70.6
3014	
	88.2
Screenline F-F	
	76.4 70.5 68.4*
1001	73.9 73.0 73.1
1007	65.6*
2213	
	81.1

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2006B Peak Hour Flow dB(A)
Screenline G-G	
	77.0
1002	74.0
	73.8
2214	71.7
2406	63.5*
2204	63.2*
	80.7
Screenline I-I	
1009	74.0
2215	76.5
	78.4
Screenline K-K	
	70.6
	77.0
	79.3
	75.5
3004	76.4
	74.4
	66.5*
	77.7
4218	69.8*
	67.1*
4216	77.6
	78.0
4217	76.9
	60.8*
	87.0
Screenline R-R	
	77.9
	79.5
6209	74.5
5012	79.8
5014	72.6
6210	75.5
5013	78.6
	86.0
Screenline S-S	
	77.9
	79.5
6209	74.5
5012	79.8
6208	72.5
6207	68.4*
	75.2
	72.1
5016	81.2
	86.8

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

		2006B Peak Hour Flow dB(A)
Screenline	T-T	
		72.1
5016		81.2
6212		74.2
		64.6*
5003		78.8
6206		75.0
6211		74.9
		85.0
Hong Kong External Cordon		
2206		69.3*
		67.3*
2201		73.0
2205		68.6*
2203		67.6*
1004		77.2
2202		69.7*
1021		69.4*
		80.8
Hong Kong Internal Cordon		
		76.4
		70.5
		68.4*
1001		73.9
		73.0
1007		73.1
2211		69.8*
2211		67.0*
2211		58.5*
2212		71.5
2208		69.3*
2403		65.4*
2210		67.5*
2209		67.9*
2207		72.6
2216		77.9
		84.1

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2006B Peak Hour Flow dB(A)
Kowloon External Cordon	
6401	70.6
	81.2
6201	81.4
6204	72.0
6203	77.4
	75.4
4201	74.7
6202	73.7
	75.1
5022	78.7
5017	70.3
6205	68.4*
5021	75.5
	73.7
	87.9

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2011A Peak Hour Flow dB(A)
Screen line A-A	
3002	77.1 76.9
4206	72.4
4202	75.6
4203	75.3
4204	75.1
4205	72.4
3001	73.7 74.9 79.2
4208	79.1
4207	72.1 77.8
	87.2
Screenline C-C	
	77.3 81.7 70.5 77.8 73.6
4214	65.7*
4210	65.7*
4209	73.9
3006	71.6
4215	72.4
4205	73.7
3001	74.9 72.0
4211	77.9
4213	73.0
4212	71.4
3014	79.2 77.0 73.4
	88.3
Screenline F-F	
	77.1 71.3 69.8*
1001	74.1 73.4
1007	73.4
2213	66.7*
	81.8

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2011A Peak Hour Flow dB(A)
Screenline G-G	
	78.3
1002	73.8
	73.2
2214	71.8
2406	62.8*
2204	63.0*
	81.3
Screenline I-I	
1009	74.6
2215	76.3
	78.6
Screenline K-K	
	73.4
	77.0
	79.2
	75.2
3004	76.9
	74.8
	68.3*
	77.4
4218	69.6*
	66.9*
4216	77.3
	77.9
4217	77.0
	62.3*
	87.1
Screenline R-R	
	76.4
	77.5
	79.6
6209	72.8
5012	79.2
5014	73.2
6210	76.8
5013	79.4
	86.5
Screenline S-S	
	76.4
	77.5
	79.6
6209	72.8
5012	79.2
6208	72.7
6207	70.9
	76.2
	73.2
5016	81.7
	87.3

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

		2011A Peak Hour Flow dB(A)
Screenline	T-T	
		73.2
5016		81.7
6212		75.4
		62.3*
5003		80.0
6206		74.9
6211		75.0
		85.6
Hong Kong External Cordon		
		75.7
2206		59.7*
		67.0*
2201		71.9
2205		68.8*
2203		67.8*
1004		76.5
2202		69.1*
1021		69.6*
		81.3
Hong Kong Internal Cordon		
		77.1
		71.3
		69.8*
1001		74.1
		73.4
1007		73.4
2211		69.8*
2211		67.7*
2211		59.2*
2212		71.9
2208		69.7*
2403		65.0*
2210		67.8*
2209		68.4*
2207		74.0
2216		78.8
		84.8

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2011A Peak Hour Flow dB(A)
Kowloon External Cordon	
6401	76.2
	69.3*
6201	80.3
6204	80.5
6203	69.9*
	77.1
4201	76.4
6202	75.7
	74.2
5022	75.0
5017	78.8
6205	70.5
5021	68.0*
	75.6
	74.1
	88.0

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2011B Peak Hour Flow dB(A)
Screen line A-A	
3002	77.2
	77.7
4206	73.3
4202	75.9
4203	76.3
4204	75.5
4205	72.5
3001	73.9
	74.9
	79.4
4208	79.7
4207	72.2
	78.0
	87.7
Screenline C-C	
	78.3
	81.4
	71.4
	78.7
4214	73.7
4210	64.9*
4209	66.1*
3006	74.2
4215	71.3
4205	72.5
3001	73.9
	74.9
4211	72.4
4213	78.6
4212	73.2
3014	71.5
	79.4
	77.1
	74.3
	88.6
Screenline F-F	
	77.6
	71.8
	70.9
1001	74.8
	74.1
1007	74.1
2213	66.8*
	82.4

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2011B Peak Hour Flow dB(A)
Screenline G-G	
	78.6
1002	74.1
	74.0
2214	71.8
2406	64.3*
2204	63.5*
	81.6
Screenline I-I	
1009	74.4
2215	76.9
	78.8
Screenline K-K	
	74.3
	77.1
	79.4
	76.0
3004	77.7
	75.3
	70.0*
	77.8
4218	70.0*
	68.2*
4216	78.1
	78.3
4217	77.3
	63.3*
	87.5
Screenline R-R	
	78.6
	77.4
	80.4
6209	74.9
5012	80.3
5014	72.7
6210	75.4
5013	79.0
	87.0
Screenline S-S	
	78.6
	77.4
	80.4
6209	74.9
5012	80.3
6208	72.8
6207	70.2
	75.9
	73.2
5016	81.7
	87.9

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

Screenline T-T	2011B Peak Hour Flow dB(A)
	73.2
5016	81.7
6212	75.0
	61.0*
5003	79.3
6206	74.4
6211	75.2
	85.4
Hong Kong External Cordon	
	76.2
2206	66.0*
	67.2*
2201	72.2
2205	68.9*
2203	67.9*
1004	76.9
2202	69.5*
1021	69.6*
	81.7
Hong Kong Internal Cordon	
	77.6
	71.8
	70.9
1001	74.8
	74.1
1007	74.1
2211	70.3
2211	67.5*
2211	59.4*
2212	71.9
2208	70.1
2403	65.6*
2210	68.1*
2209	68.8*
2207	75.5
2216	79.3
	85.5

E6 Noise Levels at 50m for all the Screen lines (Cont'd)

	2011B Peak Hour Flow dB(A)
Kowloon External Cordon	
6401	77.2
	70.4
	80.9
6201	80.8
6204	71.1
6203	77.2
	76.2
4201	75.2
6202	73.9
	75.1
5022	79.0
5017	71.2
6205	68.9*
5021	75.9
	74.6
	88.3

Legend:

Screenline A-A	
3002	Lung Cheung Road
4206	Cornwall Road
4202	Boundary St.
4203	Prince Edward Road West
4204	Argyle St.
4205	Waterloo Road
3001	Princess Margaret Road
4208	Chatham Road
4207	Cheong Wan Road
Screenline C-C	
4214	Ferry St.
4210	Reclamation Street
4209	Shang Hai St.
3006	Nathan Road
4215	Yim Po Fong St.
4205	Waterloo Road
3001	Princess Margaret Road
4211	Fat Kwong St.
4213	East Kln. Way
4212	Chatham Road North
3014	To Kwa Wan Road
Screenline F-F	
1001	Harcourt Road
1007	Queensway
2213	Kenneddy Road
Screenline G-G	
1002	Victoria Park Road
2214	Causeway Road
2406	Tung Lo Wan Road
2204	Yee King Road
Screenline I-I	
1009	Chai Wan Road
2215	IEC
Screenline K-K	
3004	Airport Tunnel
3023	Kwun Tong Bypass
4218	Eastern Road & Kai Shing Street
4216	Kwun Tong Road
4217	Clear Water Bay Road
Screenline R-R	
6209	Castle Peak Rd. (TW-ST)
5012	Tuen Mun Rd.
5014	Route Twisk
6210	Tai Po Road
5013	Tolo Highway
Screenline S-S	
6209	Castle Peak Rd. (TW-ST)
5012	Tuen Mun Rd.
6208	Kam Sheung Rd.
6207	Kam Tin Rd.
5016	Circular Rd.(Tam mei)
Screenline T-T	
5016	NT Circular Rd.(Tam Mei)
6212	Fan Kam Rd.
5003	Fanling Bypass
6206	Tai Po Rd. (Fanling)
6211	Ting Kok Rd.

Hong Kong External Cordon

2206	Victoria Road
2201	Pok Fu Lam Road
2205	Magazine Gap Road
2203	Stubbs Road
1004	Aberdeen Tunnel
2202	Wong Nai Chung Gap Road
1021	Tai Tam Road

Hong Kong Internal Cordon

1001	Harcourt Road
1007	Queensway
2211	Garden Rd. Rt
2211	Garden rd. Rt
2211	Garden rd. Lt
2212	Cotton Tree Drive
2208	Queen Rd. Central
2403	Icehouse St.
2210	Wyndham St.
2209	Des Voeux Rd. Central
2207	Connaught Rd. Central (E. end of cordon)
2216	Connaught Rd. Central (W. end of Cordon)

Kowloon External Cordon

6401	Container Port S. Road
6201	Kwai Chung Road
6204	Lai King Hill Road
6203	Castle Peak Road
4201	Tai Po Road
5024	Lion Rock Tunnel
5022	Tate's Cairn Tunnel
5017	Clear Water Bay Road
5023	Po Lam Road
5021	Tseung Kwan O Tunnel

E7. Interface Between Industrial and Residential Uses

- This was used in the air quality assessment and was not included here to avoid double counting.