

APPENDIX O1

Details of Off-Site Traffic Noise Assessment
(Buses Only – Morning Leaving)
(Existing Scenario)

BUSES ONLY (EXISTING) - EARLY MORNING (0545-0645)

HFC1 (3)	
Floor	dB(A)
1/F	50.4
4/F	50.4
7/F	50.3
10/F	50.3
13/F	50.2
16/F	50.3
19/F	50.6

HFC2 (31)	
Floor	dB(A)
1/F	59.2
4/F	59.6
7/F	59.3
10/F	58.9
13/F	58.4
16/F	58.0
19/F	57.5

HFC3 (32)	
Floor	dB(A)
1/F	57.7
4/F	61.3
7/F	61.4
10/F	60.6
13/F	59.9
16/F	59.2
19/F	58.6

HENG FA CHUEN

SQ1 (1)	
Floor	dB(A)
1/F	54.2
4/F	54.5
7/F	56.1
10/F	57.2
13/F	57.1
16/F	56.9
19/F	56.6
22/F	56.3
25/F	56.1

SQ2 (2)	
Floor	dB(A)
1/F	43.3
4/F	44.9
7/F	50.6
10/F	55.7
13/F	56.7
16/F	56.9
19/F	56.9
22/F	56.7
25/F	56.6

SQ3 (11)	
Floor	dB(A)
1/F	53.2
4/F	53.2
7/F	53.1
10/F	53.0
13/F	52.9
16/F	52.7
19/F	52.6
22/F	52.5
25/F	52.3

SQ4 (12)	
Floor	dB(A)
1/F	55.8
4/F	55.8
7/F	55.7
10/F	55.5
13/F	55.3
16/F	55.2
19/F	54.9
22/F	54.7
25/F	54.6

STAFF QUARTER

TWE1 (4)	
Floor	dB(A)
1/F	62.1
4/F	61.9
7/F	61.7
10/F	61.4
13/F	61.1
16/F	60.8
19/F	60.5
22/F	60.2
25/F	59.9
28/F	59.7

TWE2 (41)	
Floor	dB(A)
1/F	61.9
4/F	61.8
7/F	61.6
10/F	61.3
13/F	61.1
16/F	60.7
19/F	60.4
22/F	60.2
25/F	59.9
28/F	59.6

TSUI WAN STREET

+++ ROADNOISE 98 +++

+++ WS Atkins Noise and Vibration

+++ Session started 15:56:17 11/08/1999

+++ Calculation Run 1 started at 15:56:21

*** WARNING : LAST PRINT-OUT OF MODEL PARAMETERS DOES NOT CORRESPOND TO CURRENT MODEL

*** WARNING *** CHANGING TO 1-HOUR FLOW RATES

	RECEIVER	ISLAND EAST CORRIDOR	SHING TAI RD &	WING TAI ROAD	ALL
3	HFC1 (Heng Fa Chuen)	43.8	49.1	36.3	50.4
3	HFC1 (Heng Fa Chuen)	44.2	49.0	36.3	50.4
3	HFC1 (Heng Fa Chuen)	44.7	48.7	36.4	50.3
3	HFC1 (Heng Fa Chuen)	45.2	48.4	36.4	50.3
3	HFC1 (Heng Fa Chuen)	45.7	48.1	36.6	50.2
3	HFC1 (Heng Fa Chuen)	46.3	47.8	36.9	50.3
3	HFC1 (Heng Fa Chuen)	47.2	47.5	38.5	50.6
3	HFC1 (Heng Fa Chuen)	47.7	47.3	40.4	50.9
3	HFC1 (Heng Fa Chuen)	47.9	47.1	40.9	51.0
3	HFC1 (Heng Fa Chuen)	48.0	46.9	41.0	50.9
31	HFC2 (HENG FA CHUEN)	59.2	35.9	20.8	59.2
31	HFC2 (HENG FA CHUEN)	59.5	40.6	22.5	59.6
31	HFC2 (HENG FA CHUEN)	59.3	41.3	24.5	59.3
31	HFC2 (HENG FA CHUEN)	58.8	41.5	27.5	58.9
31	HFC2 (HENG FA CHUEN)	58.3	41.6	32.7	58.4
31	HFC2 (HENG FA CHUEN)	57.8	41.8	34.6	58.0
31	HFC2 (HENG FA CHUEN)	57.4	41.9	35.6	57.5
31	HFC2 (HENG FA CHUEN)	56.9	42.0	36.2	57.1
31	HFC2 (HENG FA CHUEN)	56.5	42.1	36.6	56.7
31	HFC2 (HENG FA CHUEN)	56.1	42.2	36.7	56.4
32	HFC3 (HENG FA CHUEN)	57.7	39.5	23.0	57.7
32	HFC3 (HENG FA CHUEN)	61.3	42.4	25.1	61.3
32	HFC3 (HENG FA CHUEN)	61.3	42.6	27.8	61.4
32	HFC3 (HENG FA CHUEN)	60.5	42.8	31.8	60.6
32	HFC3 (HENG FA CHUEN)	59.8	43.1	35.3	59.9
32	HFC3 (HENG FA CHUEN)	59.1	43.3	36.6	59.2
32	HFC3 (HENG FA CHUEN)	58.5	43.4	37.3	58.6
32	HFC3 (HENG FA CHUEN)	57.9	43.6	37.7	58.1
32	HFC3 (HENG FA CHUEN)	57.5	43.7	37.9	57.7
32	HFC3 (HENG FA CHUEN)	57.0	43.9	37.9	57.3
4	TWE1 (Tsui Wan Estate)	31.7	56.5	60.7	62.1
4	TWE1 (Tsui Wan Estate)	32.6	56.5	60.5	61.9
4	TWE1 (Tsui Wan Estate)	34.3	56.4	60.2	61.7
4	TWE1 (Tsui Wan Estate)	37.9	56.3	59.8	61.4
4	TWE1 (Tsui Wan Estate)	40.1	56.2	59.3	61.1
4	TWE1 (Tsui Wan Estate)	42.0	56.1	59.0	60.8
4	TWE1 (Tsui Wan Estate)	43.0	55.9	58.5	60.5
4	TWE1 (Tsui Wan Estate)	43.7	55.8	58.1	60.2
4	TWE1 (Tsui Wan Estate)	44.2	55.7	57.7	59.9
4	TWE1 (Tsui Wan Estate)	44.7	55.6	57.3	59.7
41	TWE2 (TSUI WAN EST)	40.7	61.8	42.7	61.9
41	TWE2 (TSUI WAN EST)	41.2	61.7	42.6	61.8
41	TWE2 (TSUI WAN EST)	41.4	61.5	42.5	61.6
41	TWE2 (TSUI WAN EST)	42.3	61.2	42.3	61.3
41	TWE2 (TSUI WAN EST)	43.4	60.9	42.1	61.1
41	TWE2 (TSUI WAN EST)	44.0	60.6	41.9	60.7
41	TWE2 (TSUI WAN EST)	44.7	60.3	41.6	60.4
41	TWE2 (TSUI WAN EST)	45.2	60.0	41.3	60.2
41	TWE2 (TSUI WAN EST)	45.4	59.7	41.0	59.9
41	TWE2 (TSUI WAN EST)	45.3	59.4	40.8	59.6
1	SQ1 (Staff Quarter)	54.2	24.7	0.0	54.2
1	SQ1 (Staff Quarter)	54.5	30.8	0.0	54.5
1	SQ1 (Staff Quarter)	55.9	42.7	0.0	56.1
1	SQ1 (Staff Quarter)	56.9	45.2	0.0	57.2
1	SQ1 (Staff Quarter)	56.7	45.5	0.0	57.1
1	SQ1 (Staff Quarter)	56.5	45.5	0.0	56.9
1	SQ1 (Staff Quarter)	56.3	45.2	0.0	56.6
1	SQ1 (Staff Quarter)	56.0	45.1	0.0	56.3
1	SQ1 (Staff Quarter)	55.8	44.8	0.0	56.1
1	SQ1 (Staff Quarter)	55.5	44.6	0.0	55.9
2	SQ2 (Staff Quarter)	42.7	33.5	22.9	43.3
2	SQ2 (Staff Quarter)	43.7	38.2	29.5	44.9
2	SQ2 (Staff Quarter)	46.6	47.5	40.8	50.6

2	SQ2 (Staff Quarter)	52.7	52.4	41.9	55.7
2	SQ2 (Staff Quarter)	53.9	53.2	41.9	56.7
2	SQ2 (Staff Quarter)	53.8	53.7	41.8	56.9
2	SQ2 (Staff Quarter)	53.7	53.7	41.8	56.9
2	SQ2 (Staff Quarter)	53.5	53.6	41.8	56.7
2	SQ2 (Staff Quarter)	53.3	53.5	41.8	56.6
2	SQ2 (Staff Quarter)	53.1	53.3	41.8	56.4
11	SQ3 (Staff Quarter)	0.0	52.9	41.4	53.2
11	SQ3 (Staff Quarter)	0.0	52.9	41.4	53.2
11	SQ3 (Staff Quarter)	0.0	52.8	41.4	53.1
11	SQ3 (Staff Quarter)	0.0	52.7	41.4	53.0
11	SQ3 (Staff Quarter)	0.0	52.6	41.4	52.9
11	SQ3 (Staff Quarter)	0.0	52.4	41.4	52.7
11	SQ3 (Staff Quarter)	0.0	52.3	41.3	52.6
11	SQ3 (Staff Quarter)	0.0	52.1	41.3	52.5
11	SQ3 (Staff Quarter)	0.0	51.9	41.3	52.3
11	SQ3 (Staff Quarter)	0.0	51.7	42.0	52.2
12	SQ4 (Staff Quarter)	0.0	55.5	43.2	55.8
12	SQ4 (Staff Quarter)	0.0	55.5	43.2	55.8
12	SQ4 (Staff Quarter)	0.0	55.4	43.2	55.7
12	SQ4 (Staff Quarter)	0.0	55.2	43.2	55.5
12	SQ4 (Staff Quarter)	0.0	55.1	43.2	55.3
12	SQ4 (Staff Quarter)	0.0	54.9	43.2	55.2
12	SQ4 (Staff Quarter)	0.0	54.6	43.1	54.9
12	SQ4 (Staff Quarter)	0.0	54.4	43.1	54.7
12	SQ4 (Staff Quarter)	0.0	54.2	43.1	54.6
12	SQ4 (Staff Quarter)	0.0	54.4	43.9	54.8

+++ Calculation Run 1 completed at 15:56:22

Errors : 0
Warnings: 2

TEXT

FILENAME : 270em-1.MAS

COA= 1.0COD= 1000.0COR= 20.0

READ

270EM-1.FLO

READ

270EM-1.SEG

READ

27ON-3.BAR

LINK

ISLAND EAST CORRIDOR

1,

LINK

SHING TAI RD & WING TAI RD

2,

LINK

WING TAI ROAD

3,

LINK

ALL

1,2,3,

READ

27OAM-2.REC

END

TEXT
FILENAME : 270eM-1.FLO

TEXT
ISLAND EAST CORRIDOR
FLO= -28.0PHV= 100.0SPD= 70.0BAS= 2.0FNO= 1.0

TEXT
IEC - SHING TAI ROAD
FLO= -7.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 2.0

TEXT
SHING TAI ROAD
FLO= -62.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 3.0

TEXT
SHING TAI ROAD
FLO= -18.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 4.0

TEXT
SHING TAI ROAD - WING TAI ROAD
FLO= -23.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 5.0

TEXT
WING TAI ROAD
FLO= -34.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 6.0

TEXT
WING TAI ROAD TO SHUN TAI ROAD
FLO= -11.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 7.0

TEXT
SHUN TAI ROAD - IEC
FLO= -21.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 8.0

TEXT
SHUN TAI ROAD
FLO= -32.0PHV= 100.0SPD= 50.0BAS= 2.0FNO= 9.0

RETN 0.0

TEXT
FILENAME : 270em-1.SEG

TEXT
ISLAND EAST CORRIDOR
UFN= 1.0CAT= 1.0RSX=842417.3RSY=815573.9HCS= 20.0HCG= 9.0
SEG= 11.0NCY= 0.0WCY= 10.0DCY= 0.0HCY= 0.0
RST= 2.0RTD= 0.8GND= 0.0NBA= -1.0RCT= 0.0
REX=842476.9REY=815373.9HCE= 18.0SEND .0
HCG= 7.5
REX=842510.3REY=815313.4HCE= 17.0SEND .0
HCG= 0.0
REX=842674.0REY=815103.3HCE= 11.1SEND .0
HCG= 1.0
RST= 1.0
REX=842713.2REY=815005.7HCE= 11.0SEND .0
HCG= 3.5
REX=842717.3REY=814920.6HCE= 10.8SEND .0
HCG= 4.7
REX=842672.4REY=814758.8HCE= 10.6SEND .0

TEXT
IEC TURN TO SHING TAI ROAD
CAT= 2.0HCG= 5.6
SEG= 161.0
REX=842644.9REY=814657.9HCE= 10.5SEND .0
HCG= 4.5
SEG= 17.0NCY= 1.0WCY= 6.0
REX=842646.3REY=814599.8HCE= 8.5SEND .0
HCG= 3.3
REX=842658.0REY=814564.2HCE= 8.0SEND .0
HCG= 2.5
WCY= 3.0
REX=842716.9REY=814518.0HCE= 7.0SEND .0
UFN= 2.0HCG= 1.8
SEG= 191.0
REX=842747.3REY=814519.2HCE= 6.5SEND .0
HCG= 1.0
SEG= 20.0
REX=842772.6REY=814533.3HCE= 5.5SEND .0
HCG= 0.3
REX=842788.1REY=814561.3HCE= 5.0SEND .0

TEXT
IEC TURN TO SHING TAI ROAD
RSX=842788.9RSY=814561.8HCS= 5.0HCG= 0.0
REX=842806.3REY=814596.8HCE= 4.5SEND .0

TEXT
SHING TAI ROAD
UFN= 3.0RSX=842811.6RSY=814594.3HCS= 4.5
NCY= 0.0WCY= 10.0
REX=842892.9REY=814804.7HCE= 4.5SEND .0

TEXT
WING TAI ROAD
UFN= 5.0RSX=842818.4RSY=814592.0HCS= 4.0
SEG= 32.0NCY= 1.0WCY= 3.0
REX=842811.0REY=814571.1HCE= 4.0SEND .0
REX=842788.8REY=814532.6HCE= 4.0SEND .0
REX=842787.9REY=814504.4HCE= 4.0SEND .0
REX=842802.0REY=814481.6HCE= 4.0SEND .0
UFN= 6.0CAT= 3.0
WCY= 5.0
REX=842894.1REY=814434.5HCE= 4.0SEND .0
REX=842954.8REY=814393.3HCE= 4.0SEND .0
NCY= 0.0
REX=843055.3REY=814249.3HCE= 4.0SEND .0

UFN= 7.0CAT= 2.0RSX=842798.5RSY=814478.9HCS= 4.0
SEG= 40.0NCY= 1.0WCY= 3.0
REX=842718.9REY=814478.0HCE= 4.0SEND .0

TEXT
TSUI WAN STREET
UFN= 9.0RSX=842718.9RSY=814478.0HCS= 4.0
SEG= 42.0NCY= 0.0
REX=842679.3REY=814421.3HCE= 3.8SEND .0
WCY= 5.0
REX=842619.2REY=814458.7HCE= 3.4SEND .0
TEXT
SHUN TAI ROAD
REX=842610.8REY=814487.8HCE= 3.3SEND .0

REX=842663.8REY=814599.9HCE= 4.8SEND .0
WCY= 7.5
REX=842709.3REY=814629.1HCE= 5.0SEND .0
TEXT
SHUN TAI ROAD
REX=842810.5REY=814594.3HCE= 4.5SEND .0

TEXT
SHUN TAI ROAD
UFN= 8.0RSX=842716.8RSY=814516.6HCS= 4.0HCG= 1.3
SEG= 41.0NCY= 1.0WCY= 3.0
REX=842719.2REY=814479.3HCE= 6.5SEND .0

TEXT
SHING TAI ROAD
UFN= 4.0RSX=842892.8RSY=814804.9HCS= 4.0HCG= 0.0
SEG= 50.0NCY= 0.0WCY= 10.0
REX=842922.7REY=814898.1HCE= 4.0SEND .0

RETN 0.0

TEXT
FILENAME: 27ON-3.BAR

TEXT
GIC
NBA= 250.0BSX=842945.3BSY=814924.7HBS= 44.0FOA= 0.0WBA= 0.0
ABA= 0.0
BEX=842985.4BEY=814889.7HBE= 44.0
NBA= 251.0
BEX=842974.3BEY=814865.1HBE= 44.0
NBA= 252.0
BEX=842933.6BEY=814882.6HBE= 44.0

NBA= 253.0BSX=842933.6BSY=814882.6HBS= 44.0
BEX=842945.5BEY=814925.4HBE= 44.0

TEXT
IEC ROADSIDE CRASH
NBA= 101.0BSX=842428.0BSY=815575.7HBS= 17.8
BEX=842485.6BEY=815380.1HBE= 17.8
NBA= 102.0
BEX=842521.8BEY=815314.1HBE= 17.8
NBA= 103.0
BEX=842684.4BEY=815108.7HBE= 12.9
NBA= 104.0
BEX=842724.5BEY=815005.8HBE= 10.0
NBA= 105.0
BEX=842727.3BEY=814917.0HBE= 8.2

TEXT
IEC ROADSIDE CRASH
NBA= 106.0BSX=842727.3BSY=814917.0HBS= 8.2
BEX=842657.3BEY=814653.6HBE= 5.8

TEXT
Government departmental Depot
NBA= 500.0BSX=842984.9BSY=814963.3HBS= 170.0
BEX=843046.8BEY=814944.8HBE= 170.0

TEXT
Government departmental Depot
NBA= 501.0BSX=843021.0BSY=814918.2HBS= 170.0
BEX=843011.6BEY=814994.3HBE= 170.0

TEXT
Rail Station Building
NBA= 600.0BSX=842759.1BSY=815044.7HBS= 18.0
BEX=842757.6BEY=814976.8HBE= 18.0

TEXT
Rail Station Building
NBA= 601.0BSX=842743.1BSY=815034.4HBS= 18.0
BEX=842775.7BEY=814981.8HBE= 18.0

TEXT
Chai Wan Tech Inst.
NBA= 700.0BSX=842727.5BSY=814704.8HBS= 23.0
BEX=842719.6BEY=814786.4HBE= 23.0

TEXT
Chai Wan Tech Inst.
NBA= 701.0BSX=842744.2BSY=814835.0HBS= 23.0
BEX=842782.9BEY=814715.0HBE= 23.0

TEXT
Chai Wan Tech Inst.
NBA= 702.0BSX=842835.4BSY=814844.3HBS= 23.0
BEX=842700.4BEY=814711.4HBE= 23.0

TEXT
College
NBA= 800.0BSX=842778.3BSY=814861.0HBS= 22.0
BEX=842760.9BEY=814905.8HBE= 22.0

TEXT
College
NBA= 801.0
BEX=842774.9BEY=814923.8HBE= 22.0

TEXT
College
NBA= 802.0BSX=842765.0BSY=814926.2HBS= 22.0
BEX=842771.4BEY=814905.3HBE= 22.0

TEXT
College
NBA= 803.0BSX=842797.5BSY=814897.7HBS= 22.0
BEX=842753.9BEY=814863.6HBE= 22.0

TEXT
Heng Fa Chuen Podium
NBA= 901.0BSX=842791.9BSY=815214.6HBS= 14.4
BEX=842683.4BEY=815130.6HBE= 14.4
NBA= 902.0
BEX=842550.6BEY=815291.3HBE= 14.4

TEXT
Staff Quarter
NBA= 300.0BSX=842834.9BSY=814877.3HBS= 84.0
BEX=842807.2BEY=814950.4HBE= 84.0

TEXT
Staff Quarter
NBA= 301.0BSX=842816.8BSY=814957.1HBS= 84.0
BEX=842826.1BEY=814876.9HBE= 84.0

TEXT
SCHOOL AT HENG FA CHUEN
NBA= 1001.0BSX=842576.9BSY=815271.7HBS= 41.3
BEX=842630.6BEY=815223.9HBE= 41.3

TEXT
SCHOOL AT HENG FA CHUEN
NBA= 1002.0BSX=842624.0BSY=815214.0HBS= 41.3
BEX=842588.2BEY=815278.7HBE= 41.3

RETN 0.0

TEXT
FILENAME: 270AM-2.REC

TEXT
3 HFC1 (Heng Fa Chuen)
HRA= 9.5HRG= 4.5OPX=842956.5OPY=815125.6AN1= 53.7AN2= 266.7
REF= 1.0GO .0
HPF= 9.0RPT= 9.0

TEXT
31 HFC2 (HENG FA CHUEN)
HRA= 18.9HRG= 13.9OPX=842490.3OPY=815469.2AN1= 126.2AN2= 336.4
GO .0
RPT= 9.0

TEXT
32 HFC3 (HENG FA CHUEN)
HRA= 18.9OPX=842529.4OPY=815336.4AN1= 120.5AN2= 342.3
GO .0
RPT= 9.0

TEXT
4 TWE1 (Tsui Wan Estate)
HRA= 8.5HRG= 4.5OPX=842846.5OPY=814412.9AN1= 290.0AN2= 110.0
GO .0
HPF= 8.4RPT= 9.0

TEXT
41 TWE2 (TSUI WAN EST)
HRA= 8.5OPX=842747.9OPY=814433.6AN1= 232.0AN2= 52.0
GO .0
RPT= 9.0

TEXT
1 SQ1 (Staff Quarter)
HRA= 10.5HRG= 5.5OPX=842805.9OPY=814945.6AN1= 205.4AN2= 347.8
GO .0
HPF= 9.0RPT= 9.0

TEXT
2 SQ2 (Staff Quarter)
HRA= 10.5OPX=842820.8OPY=814883.3AN1= 166.6AN2= 304.1
GO .0
RPT= 9.0

TEXT
11 SQ3 (Staff Quarter)
HRA= 10.5OPX=842827.1OPY=814936.3AN1= 330.4AN2= 183.7
GO .0
RPT= 9.0

TEXT
12 SQ4 (Staff Quarter)
HRA= 10.5OPX=842834.3OPY=814899.7AN1= 331.9AN2= 189.2
GO .0
RPT= 9.0

RETN 0.0