

APPENDIX M1

Details of Off-Site Traffic Noise Assessment

(All Traffic – Morning Leaving)

(Year 1999)

EXISTING ALL TRAFFIC (Year 1999) - MORNING LEAVING (0545-0645)

HFC1 (3)	
Floor	dB(A)
1/F	63.8
4/F	63.4
7/F	63.1
10/F	63.0
13/F	63.0
16/F	63.2
19/F	63.7

HFC2 (31)	
Floor	dB(A)
1/F	73.9
4/F	74.3
7/F	74.0
10/F	73.6
13/F	73.1
16/F	72.6
19/F	72.2

HFC3 (32)	
Floor	dB(A)
1/F	73.0
4/F	76.5
7/F	76.1
10/F	75.3
13/F	74.6
16/F	73.9
19/F	73.3

HENG FA CHUEN

SQ1 (1)	
Floor	dB(A)
1/F	68.8
4/F	69.1
7/F	70.8
10/F	72.0
13/F	71.8
16/F	71.6
19/F	71.4
22/F	71.1
25/F	70.8

SQ2 (2)	
Floor	dB(A)
1/F	57.6
4/F	58.8
7/F	62.6
10/F	68.6
13/F	69.9
16/F	70.0
19/F	69.9
22/F	69.8
25/F	69.6

SQ3 (11)	
Floor	dB(A)
1/F	63.6
4/F	63.6
7/F	63.5
10/F	63.4
13/F	63.2
16/F	63.1
19/F	62.9
22/F	62.7
25/F	62.6

SQ4 (12)	
Floor	dB(A)
1/F	64.8
4/F	64.8
7/F	64.6
10/F	64.5
13/F	64.3
16/F	64.2
19/F	63.9
22/F	63.8
25/F	63.5

STAFF QUARTER

TWE1 (4)	
Floor	dB(A)
1/F	71.5
4/F	71.4
7/F	71.2
10/F	70.9
13/F	70.6
16/F	70.4
19/F	70.1
22/F	69.9
25/F	69.7
28/F	69.5

TWE2 (41)	
Floor	dB(A)
1/F	71.8
4/F	71.7
7/F	71.6
10/F	71.5
13/F	71.4
16/F	71.3
19/F	71.2
22/F	71.1
25/F	70.9
28/F	70.8

TSUI WAN ESTATE

+++ Session started 18:25:53 28/09/1999

+++ Calculation Run 4 started at 18:28:36

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

	RECEIVER	ISLAND EAST CORRIDOR	SHING TAI RD &	CHONG FU ROAD	ALL
3	HFC1 (Heng Fa Chuen)	58.4	60.1	58.2	63.8
3	HFC1 (Heng Fa Chuen)	58.9	59.1	57.9	63.4
3	HFC1 (Heng Fa Chuen)	59.3	58.1	57.5	63.1
3	HFC1 (Heng Fa Chuen)	59.8	57.4	57.1	63.0
3	HFC1 (Heng Fa Chuen)	60.3	56.8	56.7	63.0
3	HFC1 (Heng Fa Chuen)	60.9	56.3	56.4	63.2
3	HFC1 (Heng Fa Chuen)	61.8	56.2	56.1	63.7
3	HFC1 (Heng Fa Chuen)	62.3	56.3	55.8	64.0
3	HFC1 (Heng Fa Chuen)	62.5	56.2	55.6	64.1
3	HFC1 (Heng Fa Chuen)	62.6	56.0	55.3	64.1
31	HFC2 (HENG FA CHUEN)	73.9	42.6	33.2	73.9
31	HFC2 (HENG FA CHUEN)	74.3	46.9	38.6	74.3
31	HFC2 (HENG FA CHUEN)	74.0	48.4	41.9	74.0
31	HFC2 (HENG FA CHUEN)	73.6	49.0	42.6	73.6
31	HFC2 (HENG FA CHUEN)	73.1	49.8	42.7	73.1
31	HFC2 (HENG FA CHUEN)	72.6	50.3	42.7	72.6
31	HFC2 (HENG FA CHUEN)	72.2	50.6	42.6	72.2
31	HFC2 (HENG FA CHUEN)	71.7	50.8	42.5	71.8
31	HFC2 (HENG FA CHUEN)	71.3	51.0	42.4	71.4
31	HFC2 (HENG FA CHUEN)	71.0	51.1	42.3	71.0
32	HFC3 (HENG FA CHUEN)	73.0	45.1	35.6	73.0
32	HFC3 (HENG FA CHUEN)	76.5	48.4	41.7	76.5
32	HFC3 (HENG FA CHUEN)	76.1	49.2	43.4	76.1
32	HFC3 (HENG FA CHUEN)	75.3	49.9	43.7	75.3
32	HFC3 (HENG FA CHUEN)	74.6	51.3	43.6	74.6
32	HFC3 (HENG FA CHUEN)	73.9	51.9	43.6	73.9
32	HFC3 (HENG FA CHUEN)	73.3	52.1	43.6	73.3
32	HFC3 (HENG FA CHUEN)	72.7	52.3	43.5	72.8
32	HFC3 (HENG FA CHUEN)	72.3	52.5	43.4	72.3
32	HFC3 (HENG FA CHUEN)	71.8	52.5	43.4	71.9
4	TWE1 (Tsui Wan Estate)	62.5	71.0	43.9	71.5
4	TWE1 (Tsui Wan Estate)	62.5	70.8	43.9	71.4
4	TWE1 (Tsui Wan Estate)	62.6	70.6	43.9	71.2
4	TWE1 (Tsui Wan Estate)	62.8	70.2	43.9	70.9
4	TWE1 (Tsui Wan Estate)	63.1	69.8	43.9	70.6
4	TWE1 (Tsui Wan Estate)	63.4	69.4	43.9	70.4
4	TWE1 (Tsui Wan Estate)	63.6	69.0	43.9	70.1
4	TWE1 (Tsui Wan Estate)	63.8	68.7	43.9	69.9
4	TWE1 (Tsui Wan Estate)	63.9	68.3	43.9	69.7
4	TWE1 (Tsui Wan Estate)	64.0	68.0	43.9	69.5
41	TWE2 (TSUI WAN EST)	68.7	68.8	43.9	71.8
41	TWE2 (TSUI WAN EST)	68.7	68.7	43.9	71.7
41	TWE2 (TSUI WAN EST)	68.7	68.6	43.9	71.6
41	TWE2 (TSUI WAN EST)	68.7	68.3	43.9	71.5
41	TWE2 (TSUI WAN EST)	68.7	68.0	43.9	71.4
41	TWE2 (TSUI WAN EST)	68.8	67.7	43.9	71.3
41	TWE2 (TSUI WAN EST)	68.8	67.4	43.9	71.2
41	TWE2 (TSUI WAN EST)	68.8	67.1	43.9	71.1
41	TWE2 (TSUI WAN EST)	68.8	66.8	43.9	70.9
41	TWE2 (TSUI WAN EST)	68.7	66.5	43.9	70.8
1	SQ1 (Staff Quarter)	68.8	27.4	0.0	68.8
1	SQ1 (Staff Quarter)	69.1	31.6	0.0	69.1
1	SQ1 (Staff Quarter)	70.8	37.2	0.0	70.8
1	SQ1 (Staff Quarter)	72.0	43.6	0.0	72.0
1	SQ1 (Staff Quarter)	71.8	46.6	0.0	71.8
1	SQ1 (Staff Quarter)	71.6	47.1	0.0	71.6
1	SQ1 (Staff Quarter)	71.4	47.1	0.0	71.4
1	SQ1 (Staff Quarter)	71.1	47.0	0.0	71.1
1	SQ1 (Staff Quarter)	70.8	46.9	0.0	70.8
1	SQ1 (Staff Quarter)	70.6	46.8	0.0	70.6
2	SQ2 (Staff Quarter)	57.5	40.1	0.0	57.6
2	SQ2 (Staff Quarter)	58.6	45.1	0.0	58.8
2	SQ2 (Staff Quarter)	61.9	54.6	0.0	62.6
2	SQ2 (Staff Quarter)	68.2	58.2	0.0	68.6
2	SQ2 (Staff Quarter)	69.5	59.0	0.0	69.9

2	SQ2 (Staff Quarter)	69.6	59.3	0.0	70.0
2	SQ2 (Staff Quarter)	69.6	59.3	0.0	69.9
2	SQ2 (Staff Quarter)	69.4	59.3	0.0	69.8
2	SQ2 (Staff Quarter)	69.2	59.2	0.0	69.6
2	SQ2 (Staff Quarter)	69.0	59.1	0.0	69.4
11	SQ3 (Staff Quarter)	0.0	63.2	52.8	63.6
11	SQ3 (Staff Quarter)	0.0	63.2	52.7	63.6
11	SQ3 (Staff Quarter)	0.0	63.1	52.6	63.5
11	SQ3 (Staff Quarter)	0.0	63.0	52.4	63.4
11	SQ3 (Staff Quarter)	0.0	62.9	52.3	63.2
11	SQ3 (Staff Quarter)	0.0	62.7	52.1	63.1
11	SQ3 (Staff Quarter)	0.0	62.6	51.9	62.9
11	SQ3 (Staff Quarter)	0.0	62.4	51.8	62.7
11	SQ3 (Staff Quarter)	0.0	62.2	52.1	62.6
11	SQ3 (Staff Quarter)	0.0	62.0	52.1	62.4
12	SQ4 (Staff Quarter)	0.0	64.5	51.8	64.8
12	SQ4 (Staff Quarter)	0.0	64.5	51.8	64.8
12	SQ4 (Staff Quarter)	0.0	64.4	51.7	64.6
12	SQ4 (Staff Quarter)	0.0	64.3	51.6	64.5
12	SQ4 (Staff Quarter)	0.0	64.1	51.5	64.3
12	SQ4 (Staff Quarter)	0.0	63.9	51.4	64.2
12	SQ4 (Staff Quarter)	0.0	63.7	51.4	63.9
12	SQ4 (Staff Quarter)	0.0	63.5	51.3	63.8
12	SQ4 (Staff Quarter)	0.0	63.2	51.4	63.5
12	SQ4 (Staff Quarter)	0.0	63.3	52.0	63.6

+++ Calculation Run 4 completed at 18:28:37

Errors : 0
Warnings: 1

TEXT
FILENAME : 270AEM-3.MAS

COA= 1.0COD= 1000.0COR= 20.0

READ
270AEM-3.FLO
READ
270AEN-3.SEG
READ
270N-3.BAR

LINK
ISLAND EAST CORRIDOR
1,
LINK
SHING TAI RD & WING TAI RD
2,
LINK
CHONG FU ROAD
3,
LINK
ALL
1,2,3,

READ
270AM-2.REC

END

TEXT
FILENAME : 270AEM-3.FLO

TEXT
ISLAND EAST CORRIDOR
FLO= -2133.0PHV= 30.0SPD= 70.0BAS= 2.0FNO= 1.0

TEXT
Shing Tai Road
FLO= -189.0PHV= 75.0SPD= 50.0FNO= 3.0

TEXT
CHONG FU ROAD
FLO= -100.0PHV= 74.0SPD= 50.0FNO= 4.0
FLO= -100.0PHV= 74.0SPD= 50.0FNO= 5.0

TEXT
SHUN TAI ROAD
FLO= -184.0PHV= 57.0SPD= 50.0FNO= 6.0

TEXT
WING TAI ROAD
FLO= -625.0PHV= 43.0SPD= 50.0FNO= 7.0

TEXT
SHING TAI RD TO WING TAI ROAD
FLO= -54.0PHV= 78.0SPD= 50.0FNO= 8.0

TEXT
WING TAI ROAD - TSUI WAN STREET
FLO= -435.0PHV= 46.0SPD= 50.0FNO= 9.0

TEXT
TSUI WAN STREET TO IEC
FLO= -55.0PHV= 34.0SPD= 50.0FNO= 10.0

TEXT
SHUN TAI ROAD
FLO= -136.0PHV= 80.0SPD= 50.0FNO= 11.0

RETN 0.0

TEXT
FILENAME : 270AEN-2.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
HCG= 5.6
SEG= 161.0
REX=842644.9REY=814657.9HCE= 10.5SEND .0
UFN= 9.0CAT= 2.0HCG= 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= 10.0HCG= 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= 8.0RSX=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= 7.0
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= 9.0RSX=842800.1RSY=814478.7HCS= 7.0
SEG= 40.0NCY= 1.0WCY= 3.0
REX=842716.9REY=814517.9HCE= 4.0SEND .0

TEXT
TSUI WAN STREET
UFN= 6.0RSX=842718.9RSY=814478.0HCS= 4.0
SEG= 42.0NCY= 0.0
REX=842679.3REY=814421.3HCE= 3.8SEND .0
UFN= 11.0
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= 6.0RSX=842716.8RSY=814516.6HCS=	4.0HCG=	1.3	
SEG= 41.0WCY= 1.0WCY= 3.0			
REX=842719.2REY=814479.3HCE=	6.5SEND	.0	
TEXT			
UFN= 3.0RSX=842892.9RSY=814804.7HCS=	4.5HCG=	0.0	
SEG= 50.0WCY= 0.0WCY= 10.0			
REX=842921.6REY=814898.7HCE=	5.1SEND	.0	
REX=842930.9REY=815021.0HCE=	5.1SEND	.0	
UFN= 4.0CAT= 3.0			
REX=843006.8REY=815024.8HCE=	4.0SEND	.0	
REX=843069.3REY=814949.6HCE=	4.0SEND	.0	
UFN= 5.0			
REX=843147.4REY=814853.6HCE=	4.0SEND	.0	
TEXT			
ISLAND EAST CORRIDOR			
UFN= 1.0CAT= 1.0RSX=842643.3RSY=814657.6HCS=	10.5		
SEG= 162.0WCY= 5.0			
REX=842536.3REY=814369.4HCE=	8.5SEND	.0	
REX=842530.7REY=814268.9HCE=	7.5SEND	.0	
RETN 0.0			

TEXT
FILENAME: 270N-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