



**Figure A2.4 - Summary of Construction Noise at Individual NSRs**

<b>Unmitigated</b>			
<b>Source Noise Levels</b>			
<b>1. Activities A2+A3+B3</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A2	80.1	72.3	70.1
A3	77.6	69.8	67.6
B3	64.7	57	56.3
Total Noise Level	82.1	74.3	72.2
<b>2. Activities A3 + B4</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A3	77.6	69.8	67.6
B4	72.4	64.7	64
Total Noise Level	78.7	71.0	69.2
<b>3. Activities A4 + B4</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A4	82.2	74.4	72.2
B4	72.4	64.7	64
Total Noise Level	82.6	74.8	72.8
<b>4. Activities A4 + B5</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A4	82.2	74.4	72.2
B5	67.2	59.5	58.8
Total Noise Level	82.3	74.5	72.4
<b>5. Activities A5 + B5</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A5	77.7	69.9	67.7
B5	67.2	59.5	58.8
Total Noise Level	78.1	70.3	68.2
<b>6. Activities A5 + B7</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A5	77.7	69.9	67.7
B7	68.6	60.9	60.2
Total Noise Level	78.2	70.4	68.4
<b>7. Activities A7 + B7</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A7	77.5	69.7	67.5
B7	68.6	60.9	60.2
Total Noise Level	78.0	70.2	68.2
<b>8. Activities A8 + B8</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A8	75.2	67.4	65.2
B8	65.4	57.7	57
Total Noise Level	75.6	67.8	65.8

\*Note - summation of Noise level using: Total = 10 x Log( $\Sigma 10^{n1/10} + 10^{n2/10} + ..$ )

<b>Mitigated</b>			
<b>Source Noise Levels</b>			
<b>1. Activities A2+A3+B3</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A2	65.5	57.7	55.5
A3	64.8	57	54.8
B3	61	53.5	52.6
Total Noise Level	68.9	61.2	59.2
<b>2. Activities A3 + B4</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A3	64.8	57	54.8
B4	57.6	49.9	49.2
Total Noise Level	65.6	57.8	55.9
<b>3. Activities A4 + B4</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A4	65.7	57.9	55.7
B4	57.6	49.9	49.2
Total Noise Level	66.3	58.5	56.6
<b>4. Activities A4 + B5</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A4	65.7	57.9	55.7
B5	54.9	47.2	46.5
Total Noise Level	66.0	58.3	56.2
<b>5. Activities A5 + B5</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A5	62.9	55.1	52.9
B5	54.9	47.2	46.5
Total Noise Level	63.5	55.8	53.8
<b>6. Activities A5 + B7</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A5	62.9	55.1	52.9
B7	54.5	46.8	46.1
Total Noise Level	63.5	55.7	53.7
<b>7. Activities A7 + B7</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A7	63.2	55.4	53.2
B7	54.5	46.8	46.1
Total Noise Level	63.7	56.0	54.0
<b>8. Activities A8 + B8</b>			
	NSR-1	NSR-2	NSR-3
<i>Activity</i>	Noise Levels	Noise Levels	Noise Levels
A8	68.7	60.9	58.7
B8	59.7	52	51.3
Total Noise Level	69.2	61.4	59.4

\*Note - summation of Noise level using: Total = 10 x Log( $\Sigma 10^{n1/10} + 10^{n2/10} + ..$ )