

**Appendix 5-7**

**Further mitigated noise levels in the presence of the  
existing 4m high noise barrier along road edge  
Future noise barrier along the Central Divider**

N1	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	69.3	69.2	0.0	69.1	69.1	0.0	69.9	69.8	0.1
5/F	69.3	69.2	0.1	69.2	69.1	0.1	69.9	69.8	0.1
10/F	69.5	69.3	0.2	69.3	69.2	0.1	69.9	69.8	0.1
15/F	69.9	69.5	0.4	69.7	69.4	0.4	70.2	69.9	0.3
20/F	70.0	69.5	0.5	69.9	69.4	0.5	70.2	69.9	0.3
25/F	69.9	69.4	0.5	69.8	69.3	0.5	70.1	69.8	0.3
30/F	69.8	69.3	0.6	69.7	69.2	0.5	70.0	69.7	0.3
35/F	69.7	69.1	0.6	69.6	69.0	0.6	69.9	69.5	0.4
<b>N2</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	68.0	67.8	0.2	67.9	67.7	0.2	68.5	68.4	0.1
5/F	68.2	68.0	0.2	68.1	67.9	0.2	68.6	68.5	0.1
10/F	69.2	68.5	0.7	69.1	68.4	0.7	69.3	68.8	0.5
15/F	70.1	68.8	1.3	70.0	68.7	1.3	70.0	69.0	1.0
20/F	70.2	68.7	1.5	70.1	68.7	1.4	70.1	69.0	1.1
25/F	70.2	68.7	1.5	70.1	68.7	1.4	70.1	69.0	1.1
30/F	70.1	68.7	1.4	70.1	68.6	1.5	70.0	69.0	1.0
35/F	70.0	68.7	1.3	70.0	68.7	1.3	70.1	69.1	1.0
<b>N3</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	62.0	61.6	0.4	62.3	61.9	0.4	62.4	62.1	0.3
5/F	62.6	61.9	0.7	62.9	62.2	0.7	62.8	62.3	0.5
10/F	64.3	62.8	1.5	64.4	63.1	1.3	64.1	63.0	1.1
15/F	66.2	63.7	2.5	66.3	63.9	2.4	65.7	63.7	2.0
20/F	67.0	63.9	3.1	67.0	64.1	2.9	66.3	63.9	2.4
25/F	67.1	63.9	3.2	67.1	64.1	3.0	66.5	63.9	2.6
30/F	67.1	63.9	3.2	67.1	64.1	3.0	66.5	64.0	2.5
35/F	67.1	63.9	3.2	67.1	64.2	2.9	66.6	64.2	2.4
<b>N4</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	64.2	60.8	3.4	64.0	60.8	3.2	63.4	60.6	2.8
5/F	69.1	62.6	6.5	68.9	62.6	6.3	68.0	62.4	5.6
10/F	69.8	63.7	6.1	69.7	63.8	5.9	68.9	64.0	4.9
15/F	70.0	65.3	4.7	69.9	65.5	4.4	69.5	66.0	3.5
20/F	70.3	66.8	3.5	70.3	67.0	3.3	70.2	67.8	2.4
25/F	70.5	67.0	3.5	70.4	67.3	3.1	70.3	68.1	2.2
30/F	70.1	66.9	3.3	70.1	67.2	2.9	70.0	67.9	2.1
<b>N5</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	63.3	59.8	3.5	63.3	59.7	3.6	62.8	60.0	2.8
5/F	67.3	62.5	4.8	67.3	62.5	4.8	66.6	62.4	4.2
10/F	68.7	64.9	3.8	68.7	65.1	3.6	68.4	65.3	3.1
15/F	69.6	66.5	3.1	69.7	66.7	3.0	69.7	67.1	2.6
20/F	69.9	66.7	3.2	70.0	67.0	3.0	70.0	67.5	2.5
25/F	69.6	66.6	3.0	69.6	66.9	2.7	69.6	67.3	2.3
30/F	69.2	66.4	2.8	69.2	66.7	2.5	69.2	67.1	2.1
<b>N6</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	63.8	60.4	3.4	63.8	60.3	3.5	63.4	60.7	2.7
5/F	68.6	62.9	5.7	68.5	63.0	5.5	67.8	63.0	4.8
10/F	69.7	65.1	4.6	69.7	65.3	4.4	69.3	65.5	3.8
15/F	70.7	67.1	3.6	70.8	67.4	3.4	70.6	67.8	2.8
20/F	71.0	67.8	3.2	71.1	68.1	3.0	71.1	68.6	2.5
25/F	71.0	67.8	3.2	71.1	68.1	3.0	71.1	68.6	2.5
30/F	70.6	67.6	3.0	70.8	67.9	2.9	70.7	68.4	2.3

N7	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	61.7	61.6	0.1	61.9	61.9	0.0	61.9	61.8	0.1
5/F	63.0	62.9	0.1	63.1	63.1	0.0	63.1	63.1	0.0
10/F	63.6	63.5	0.1	63.8	63.7	0.1	63.8	63.7	0.1
15/F	64.4	64.1	0.3	64.5	64.3	0.2	64.4	64.2	0.2
20/F	64.9	64.4	0.5	65.1	64.5	0.4	64.8	64.4	0.4
25/F	65.2	64.5	0.7	65.3	64.6	0.7	65.0	64.4	0.6
30/F	65.3	64.5	0.8	65.4	64.6	0.8	65.1	64.5	0.6
35/F	65.3	64.6	0.7	65.4	64.7	0.7	65.2	64.5	0.7
40/F	65.4	64.6	0.8	65.5	64.8	0.8	65.3	64.7	0.6
45/F	65.5	64.7	0.8	65.7	64.9	0.8	65.4	64.8	0.6
<b>N8</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	64.0	63.9	0.1	64.1	64.0	0.1	64.1	64.1	0.0
5/F	64.4	64.4	0.0	64.7	64.6	0.1	64.6	64.6	0.0
10/F	65.1	65.0	0.1	65.4	65.3	0.1	65.3	65.2	0.1
15/F	65.6	65.5	0.1	65.9	65.7	0.2	65.7	65.6	0.1
20/F	66.1	65.8	0.3	66.3	66.1	0.2	66.1	65.9	0.2
25/F	66.4	66.0	0.4	66.6	66.3	0.3	66.4	66.1	0.3
30/F	66.6	66.3	0.3	66.8	66.5	0.3	66.6	66.3	0.3
35/F	66.7	66.3	0.4	66.9	66.5	0.4	66.7	66.4	0.3
40/F	66.9	66.6	0.3	67.1	66.8	0.3	66.9	66.6	0.3
45/F	67.0	66.7	0.3	67.2	66.9	0.3	67.1	66.8	0.3
<b>N12</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	59.4	58.0	1.4	59.7	58.4	1.3	60.0	59.1	0.9
2/F	59.9	58.2	1.7	60.2	58.7	1.5	60.3	59.3	1.0
3/F	60.5	58.6	1.9	60.8	59.0	1.8	60.8	59.5	1.3
4/F	61.4	59.2	2.2	61.5	59.5	2.0	61.4	59.9	1.5
5/F	62.4	59.9	2.5	62.5	60.2	2.3	62.2	60.5	1.7
6/F	63.6	60.8	2.8	63.7	61.0	2.7	63.2	61.1	2.1
<b>N13</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	53.6	48.9	4.7	53.6	49.3	4.3	53.2	50.0	3.2
2/F	54.4	49.3	5.1	54.4	49.6	4.8	53.9	50.4	3.5
3/F	55.2	49.7	5.5	55.2	50.0	5.2	54.7	50.8	3.9
4/F	56.2	50.1	6.1	56.2	50.4	5.8	55.6	51.2	4.4
5/F	57.2	50.6	6.6	57.2	50.9	6.3	56.6	51.6	5.0
6/F	58.7	51.2	7.5	58.6	51.6	7.0	57.9	52.3	5.6
<b>N14</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	59.2	57.3	1.9	59.0	56.9	2.1	59.3	57.8	1.5
2/F	60.2	58.2	2.0	60.1	57.9	2.2	60.2	58.6	1.6
3/F	61.4	59.3	2.1	61.4	59.1	2.3	61.3	59.7	1.6
<b>N15</b>	A.M. Peak Hour			Fill Bank Peak Hour			P.M. Peak Hour		
	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)	w/o Central Divider Barrier L10(1-hr), dB(A)	w/e Central Divider Barrier L10(1-hr), dB(A)	Further improvement, dB(A)
<b>Storey</b>	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)	(i)	(ii)	(iii)=(i)-(ii)
1/F	61.9	61.6	0.3	61.9	61.5	0.4	62.1	61.7	0.4
2/F	62.4	62.0	0.4	62.4	62.0	0.4	62.5	62.1	0.4
3/F	63.2	62.7	0.5	63.2	62.7	0.5	63.2	62.8	0.4
4/F	64.0	63.5	0.5	64.0	63.6	0.4	64.0	63.6	0.4
5/F	64.7	64.2	0.5	64.7	64.3	0.6	64.6	64.2	0.4
6/F	65.2	64.7	0.5	65.3	64.7	0.6	65.0	64.5	0.5