

Methuen Rotary Interchange Project  
Traffic Noise Model Results

Southeast Quadrant Noise Barrier Analysis, Preferred Alt.

Residence	No Barrier (dBA)	With Barrier (dBA)	Reduction (dBA)
1068 Riverside Drive	70.7	69.2	1.5
1070 Riverside Drive	68.9	67.6	1.3
1073 Riverside Drive	72.6	66.2	6.4
4 Noyes Street	69.8	59.8	10.0
5 Noyes Street	72.8	60.8	12.0
7 Noyes Street	73.5	61.2	12.3
8 Noyes Street	70.1	60.6	9.5
9 Noyes Street	73.8	61.5	12.3
10 Noyes Street	70.9	61.7	9.2
11 Noyes Street	74.1	62.1	12.0
12 Noyes Street	71.2	61.7	9.5
13 Noyes Street	73.9	61.9	12.0
15 Noyes Street	73.6	61.6	12.0
16 Noyes Street	70.8	61.0	9.8
17 Noyes Street	72	61.5	10.5
18 Noyes Street	70.6	61.0	9.6
19 Noyes Street	71.8	61.9	9.9
20 Noyes Street	70.6	61.3	9.3
21 Noyes Street	70.7	62.2	8.5
Residence	No Barrier (dBA)	With Barrier (dBA)	Reduction (dBA)
22 Noyes Street	70.5	61.3	9.2
24 Noyes Street	69.8	61.1	8.7
25 Noyes Street	70.7	63.3	7.4
26 Noyes Street	69.6	61.8	7.8
27 Noyes Street	71.5	65.7	5.8
28 Noyes Street	69.5	62.8	6.7
30 Noyes Street	69.4	63.3	6.1
34 Noyes Street	69.3	65.0	4.3
Aster Street	68.4	59.5	8.9
10 Lincoln Street	67.2	59.4	7.8
11 Lincoln Street	67.6	58.5	9.1
12 Lincoln Street	66.3	58.9	7.4
14 Lincoln Street	65.8	58.7	7.1
15 Lincoln Street	67	58.6	8.4
16 Lincoln Street	65.2	58.5	6.7
17 Lincoln Street	66.4	58.4	8.0
18 Lincoln Street	65.1	58.4	6.7
19 Lincoln Street	66.5	58.7	7.8
27 Lincoln Street	66.5	59.1	7.4

Avg. IL 8.9  
No. Protected 35

Bold Shaded Values represent protected receptors (4.5 or greater noise reduction)