



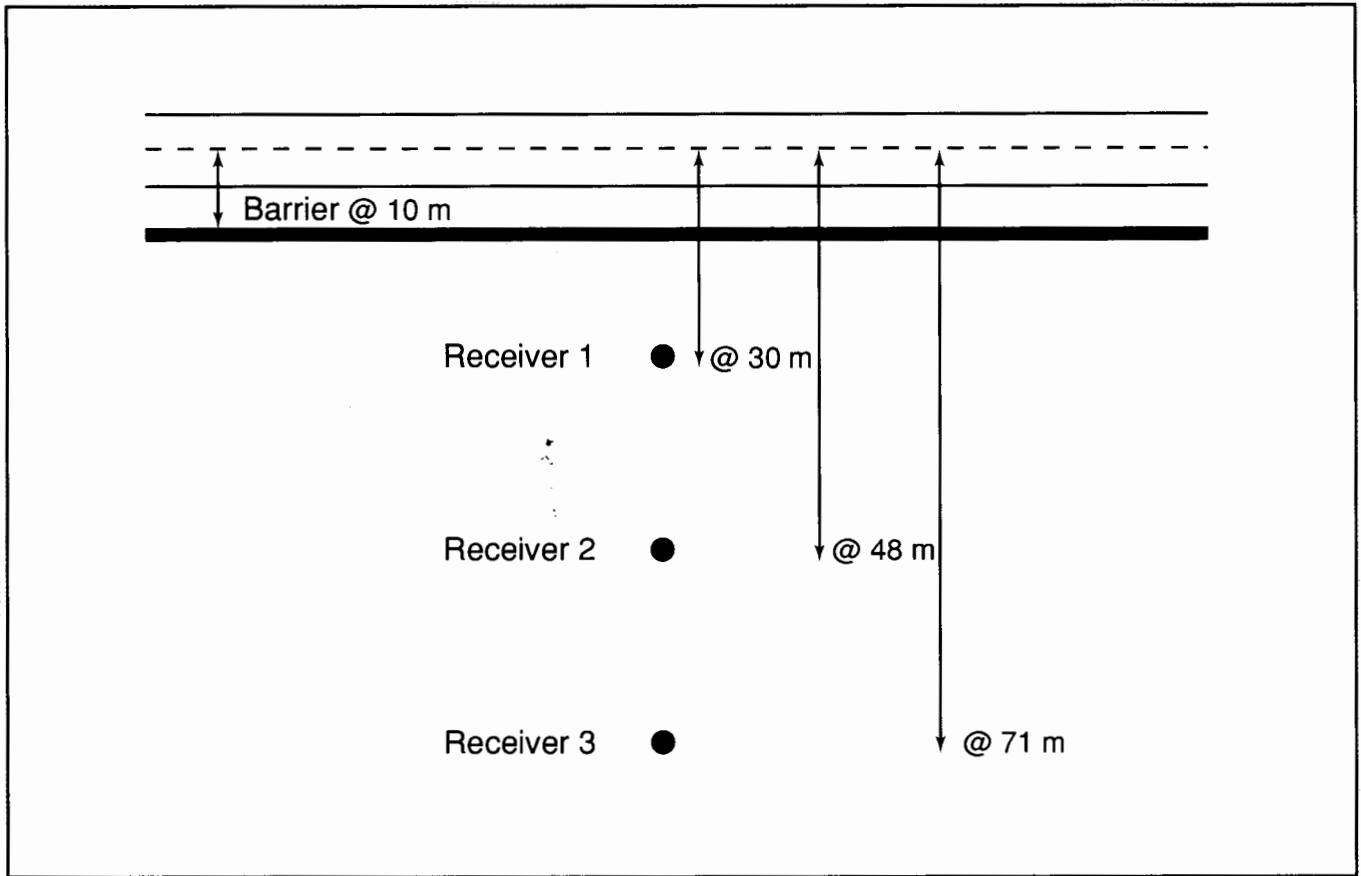
U.S. Department
of Transportation
**Federal Highway
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FHWA TRAFFIC NOISE MODEL[®]

LOOK-UP TABLES

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DOT-VNTSC-FHWA-98-5

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July 1998



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13. ABSTRACT (Maximum 200 words)

In March 1998, the Federal Highway Administration (FHWA) released the FHWA Traffic Noise Model (FHWA TNM®), Version 1.0, a state-of-the-art computer program for highway traffic noise prediction and analysis. Comparisons have shown TNM to agree extremely well with field measured data. To provide analysts with a quick screening tool for evaluating simple highway geometries, the U.S. Department of Transportation, Research and Special Programs Administration, John A. Volpe National Transportation Systems Center (Volpe Center), Acoustics Facility, in support of the FHWA, Office of Environment and Planning, has developed a set of look-up tables for TNM. The TNM Look-Up Tables are accompanied by a complementary DOS program entitled, TNMLOOK. This document contains the Look-Up Tables in their entirety, as well as instructions on how to use TNMLOOK. Three companion reports, a User's Guide, a Technical Manual and a data report, respectively, describe the use of TNM, its internal acoustics, and the vehicle noise-emissions data base within TNM.

14. SUBJECT TERMS
Highway traffic-noise prediction, FHWA TNM, digitizer, registration, roadways, traffic, receivers, barriers, building rows, terrain lines, ground zones, tree zones, noise barriers, FHWA policy.

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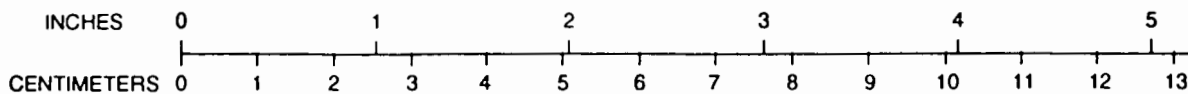
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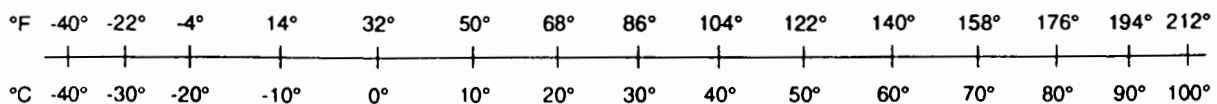
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ENGLISH TO METRIC	METRIC TO ENGLISH
<p style="text-align: center;">LENGTH (APPROXIMATE)</p> <p>1 inch (in) = 2.5 centimeters (cm) 1 foot (ft) = 30 centimeters (cm) 1 yard (yd) = 0.9 meter (m) 1 mile (mi) = 1.6 kilometers (km)</p>	<p style="text-align: center;">LENGTH (APPROXIMATE)</p> <p>1 millimeter (mm) = 0.04 inch (in) 1 centimeter (cm) = 0.4 inch (in) 1 meter (m) = 3.3 feet (ft) 1 meter (m) = 1.1 yards (yd) 1 kilometer (km) = 0.6 mile (mi)</p>
<p style="text-align: center;">AREA (APPROXIMATE)</p> <p>1 square inch (sq in, in²) = 6.5 square centimeters (cm²) 1 square foot (sq ft, ft²) = 0.09 square meter (m²) 1 square yard (sq yd, yd²) = 0.8 square meter (m²) 1 square mile (sq mi, mi²) = 2.6 square kilometers (km²) 1 acre = 0.4 hectare (ha) = 4,000 square meters (m²)</p>	<p style="text-align: center;">AREA (APPROXIMATE)</p> <p>1 square centimeter (cm²) = 0.16 square inch (sq in, in²) 1 square meter (m²) = 1.2 square yards (sq yd, yd²) 1 square kilometer (km²) = 0.4 square mile (sq mi, mi²) 10,000 square meters (m²) = 1 hectare (ha) = 2.5 acres</p>
<p style="text-align: center;">MASS - WEIGHT (APPROXIMATE)</p> <p>1 ounce (oz) = 28 grams (gm) 1 pound (lb) = .45 kilogram (kg) 1 short ton = 2,000 pounds (lb) = 0.9 tonne (t)</p>	<p style="text-align: center;">MASS - WEIGHT (APPROXIMATE)</p> <p>1 gram (gm) = 0.036 ounce (oz) 1 kilogram (kg) = 2.2 pounds (lb) 1 tonne (t) = 1,000 kilograms (kg) = 1.1 short tons</p>
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<p style="text-align: center;">TEMPERATURE (EXACT)</p> <p style="text-align: center;">$^{\circ}\text{C} = 5/9(^{\circ}\text{F} - 32)$</p>	<p style="text-align: center;">TEMPERATURE (EXACT)</p> <p style="text-align: center;">$^{\circ}\text{F} = 9/5(^{\circ}\text{C}) + 32$</p>

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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1. INTRODUCTION	1
1.1 Objective	1
2. USING THE TNMLOOK PROGRAM	3
3. LOOK-UP TABLE DATA	9
3.1 Geometries with No Barrier	11
3.2 Geometries with a Barrier at 10 m	21
3.3 Geometries with a Barrier at 30 m	111
REFERENCES	201

LIST OF FIGURES

<u>Figure</u>	<u>Page</u>
Figure 1. Example Geometry.	1
Figure 2. ASCII output file: Testfile	8

LIST OF TABLES

<u>Table</u>	<u>Page</u>
Table 1. No barrier L_{Aeq1h} for 1000 automobiles; Hard ground.	11
Table 2. No barrier L_{Aeq1h} for 1000 automobiles; Soft ground.	12
Table 3. No barrier L_{Aeq1h} for 1000 medium trucks; Hard ground.	13
Table 4. No barrier L_{Aeq1h} for 1000 medium trucks; Soft ground.	14
Table 5. No barrier L_{Aeq1h} for 1000 heavy trucks; Hard ground.	15
Table 6. No barrier L_{Aeq1h} for 1000 heavy trucks; Soft ground.	16
Table 7. No barrier L_{Aeq1h} for 1000 buses; Hard ground.	17
Table 8. No barrier L_{Aeq1h} for 1000 buses; Soft ground.	18
Table 9. No barrier L_{Aeq1h} for 1000 motorcycles; Hard ground.	19
Table 10. No barrier L_{Aeq1h} for 1000 motorcycles; Soft ground.	20
Table 11. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	21
Table 12. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	22
Table 13. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	23
Table 14. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	24
Table 15. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	25
Table 16. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	26
Table 17. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	27
Table 18. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	28
Table 19. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	29
Table 20. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	30
Table 21. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	31
Table 22. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	32
Table 23. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	33
Table 24. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	34
Table 25. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	35
Table 26. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	36
Table 27. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	37
Table 28. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	38
Table 29. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	39
Table 30. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	40
Table 31. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	41
Table 32. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	42
Table 33. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	43

Table 34. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground. 44

Table 35. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground. 45

Table 36. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground. 46

Table 37. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground. 47

Table 38. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 48

Table 39. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 49

Table 40. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 50

Table 41. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 51

Table 42. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 52

Table 43. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 53

Table 44. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 54

Table 45. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 55

Table 46. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground. 56

Table 47. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 57

Table 48. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 58

Table 49. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 59

Table 50. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 60

Table 51. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 61

Table 52. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 62

Table 53. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 63

Table 54. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 64

Table 55. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground. 65

Table 56. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 66

Table 57. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 67

Table 58. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 68

Table 59. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 69

Table 60. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 70

Table 61. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 71

Table 62. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 72

Table 63. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 73

Table 64. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground. 74

Table 65. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 75

Table 66. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 76

Table 67. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 77

Table 68. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 78

Table 69. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 79

Table 70. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 80

Table 71. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 81

Table 72. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 82

Table 73. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground. 83

Table 74. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 84

Table 75. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 85

Table 76. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 86

Table 77. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 87

Table 78. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 88

Table 79. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 89

Table 80. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 90

Table 81. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground. 91

Table 82. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	92
Table 83. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	93
Table 84. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	94
Table 85. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	95
Table 86. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	96
Table 87. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	97
Table 88. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	98
Table 89. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	99
Table 90. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	100
Table 91. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	101
Table 92. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	102
Table 93. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	103
Table 94. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	104
Table 95. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	105
Table 96. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	106
Table 97. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	107
Table 98. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	108
Table 99. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	109
Table 100. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.	110
Table 101. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	111
Table 102. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	112
Table 103. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	113
Table 104. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	114
Table 105. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	115
Table 106. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	116
Table 107. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	117
Table 108. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	118
Table 109. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.	119
Table 110. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	120
Table 111. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	121
Table 112. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	122
Table 113. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	123
Table 114. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	124
Table 115. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	125
Table 116. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	126
Table 117. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	127
Table 118. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.	128
Table 119. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	129
Table 120. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	130
Table 121. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	131
Table 122. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	132
Table 123. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	133
Table 124. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	134
Table 125. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	135
Table 126. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	136
Table 127. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.	137
Table 128. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	138
Table 129. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	139

Table 130.	4 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	140
Table 131.	5 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	141
Table 132.	6 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	142
Table 133.	7 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	143
Table 134.	8 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	144
Table 135.	9 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	145
Table 136.	10 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.	146
Table 137.	2 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	147
Table 138.	3 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	148
Table 139.	4 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	149
Table 140.	5 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	150
Table 141.	6 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	151
Table 142.	7 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	152
Table 143.	8 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	153
Table 144.	9 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	154
Table 145.	10 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.	155
Table 146.	2 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	156
Table 147.	3 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	157
Table 148.	4 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	158
Table 149.	5 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	159
Table 150.	6 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	160
Table 151.	7 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	161
Table 152.	8 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	162
Table 153.	9 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	163
Table 154.	10 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.	164
Table 155.	2 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	165
Table 156.	3 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	166
Table 157.	4 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	167
Table 158.	5 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	168
Table 159.	6 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	169
Table 160.	7 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	170
Table 161.	8 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	171
Table 162.	9 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	172
Table 163.	10 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.	173
Table 164.	2 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	174
Table 165.	3 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	175
Table 166.	4 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	176
Table 167.	5 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	177
Table 168.	6 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	178
Table 169.	7 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	179
Table 170.	8 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	180
Table 171.	9 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	181
Table 172.	10 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.	182
Table 173.	2 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	183
Table 174.	3 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	184
Table 175.	4 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	185
Table 176.	5 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	186
Table 177.	6 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.	187

Table 178. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground. 188
Table 179. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground. 189
Table 180. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground. 190
Table 181. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground. 191
Table 182. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 192
Table 183. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 193
Table 184. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 194
Table 185. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 195
Table 186. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 196
Table 187. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 197
Table 188. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 198
Table 189. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 199
Table 190. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground. 200

1. INTRODUCTION

In March 1998, the Federal Highway Administration (FHWA) released the FHWA Traffic Noise Model (FHWA TNM[®]), Version 1.0, a state-of-the-art computer program for highway traffic noise prediction and analysis. Unlike its predecessor, STAMINA 2.0/OPTIMA, TNM is a Windows-based program with increased capabilities and scientifically-founded acoustic algorithms, which have undergone some field validation. Comparisons have shown TNM to agree extremely well with field measured data. To provide analysts with a quick screening tool for evaluating simple highway geometries, the U.S. Department of Transportation, Research and Special Programs Administration, John A. Volpe National Transportation Systems Center (Volpe Center), Acoustics Facility, in support of the FHWA, Office of Environment and Planning, has developed a set of look-up tables for TNM. The TNM Look-Up Tables are accompanied by a complementary DOS program entitled, TNMLOOK. This document contains the look-up tables in their entirety, as well as instructions on how to use TNMLOOK. TNMLOOK is a Volpe-developed user friendly program written in Microsoft Fortran Version 5.0 for the PC-compatible computer. Three companion reports, a User's Guide,¹ a Technical Manual,² and a data report,³ respectively, describe the use of TNM, its internal acoustics and the vehicle noise-emissions data base within TNM.

1.1 Objective

The objective of the look-up tables is to provide a reference of pre-calculated TNM results for simple highway geometries. Simple highway geometries entail sound levels propagated from an infinitely-long, straight roadway over flat ground to receivers at user-selected offset distances. All receivers are set at a height of 1.5 m above the ground. If desired, an infinitely long straight barrier may also be included. A general example of this geometry is shown below in Figure 1.

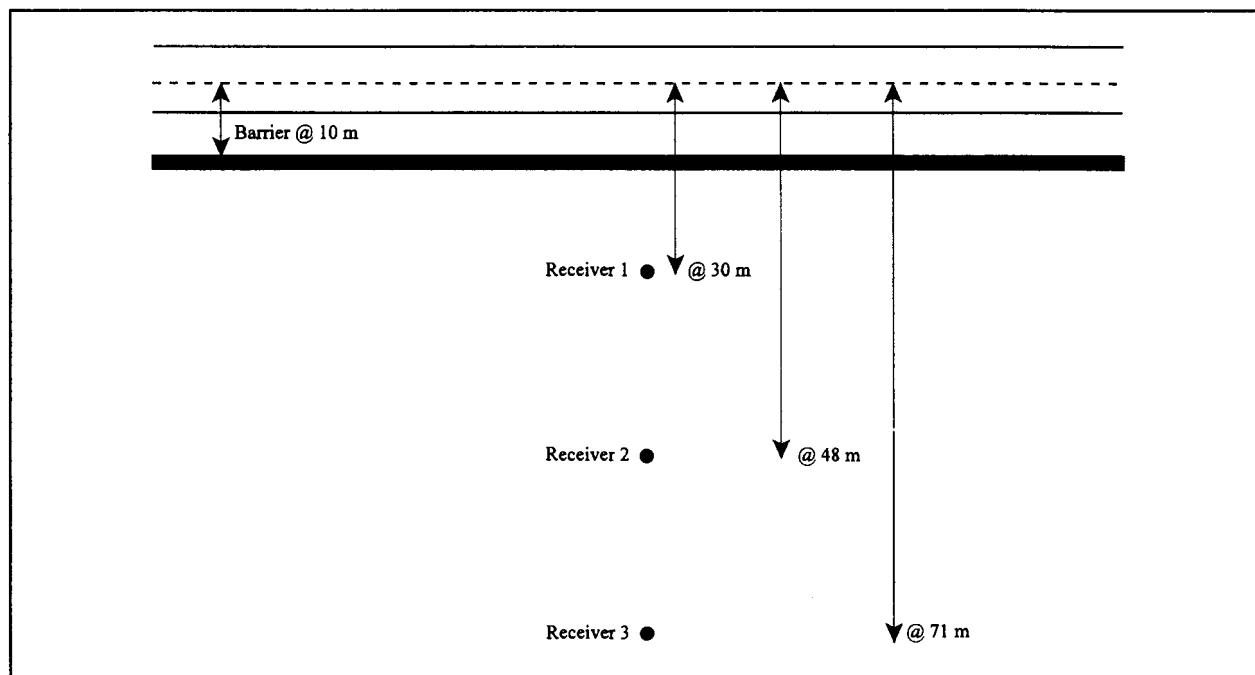


Figure 1. Example geometry.

Specifically, the tables contain results for the following parameters:

- Five vehicle types (automobiles, medium trucks, heavy trucks, buses, and motorcycles) at speeds of 0 to 130 kilometers per hour (km/h) in 10 km/h increments;*
- Sound level propagation over acoustically hard or soft terrain;**
- A single wall barrier (if desired) at a height of between 2 and 10 m, and located at a distance of either 10 or 30 m from the centerline of the roadway; and
- Receivers at distances from 10 to 300 m in 10 m increments from the centerline of the roadway.

To determine sound levels, or barrier insertion loss values, for receivers associated with a particular geometry, the user has a choice of (1) using the complementary DOS program, TNMLOOK (see Section 2 for instructions on how to use the program); or (2) using the printed Look-Up Tables in Section 3. Note that while the Look-Up Table data exist in the above fixed parameter increments, TNMLOOK will interpolate within these increments. For example, the Look-Up Table contains data for receivers at distances 10 to 300 m in 10 m increments - the TNMLOOK program will interpolate data at any distance within 10 to 300 m. TNMLOOK will not, however, extrapolate values beyond the range of the fixed parameter extents.

Also note that the Look-Up Tables are organized into three primary sections separated by tabbed dividers: (1) geometries with no barrier (Section 3.1); (2) geometries with a barrier at 10 m (Section 3.2); and (3) geometries with a barrier at 30 m (Section 3.3). Further, each section is subdivided by vehicle type using the following color scheme:

- Blue pages contain data for automobiles;
- Green pages contain data for medium trucks;
- Pink pages contain data for heavy trucks;
- Gold pages contain data for buses; and
- Grey pages contain data for motorcycles.

* The five TNM vehicle types are defined as follows:

- **Automobiles:** all vehicles with two axles and four tires - primarily designed to carry nine or fewer people (passenger cars, vans) or cargo (vans, light trucks) - generally with gross vehicle weight less than 4,500 kg (9,900 lb);
- **Medium trucks:** all cargo vehicles with two axles and six tires - generally with gross vehicle weight between 4,500 kg (9,900 lb) and 12,000 kg (26,400 lb);
- **Heavy trucks:** all cargo vehicles with three or more axles - generally with gross vehicle weight more than 12,000 kg (26,400 lb);
- **Buses:** all vehicles designed to carry more than nine passengers; and
- **Motorcycles:** all vehicles with two or three tires and an open-air driver/passenger compartment.

** For propagation over acoustically hard ground, an effective flow resistivity of 20,000 cgs rayls was assumed; for propagation over acoustically soft ground, an effective flow resistivity of 300 cgs rayls was assumed.

2. USING THE TNMLOOK PROGRAM

This section describes how to use the TNMLOOK program. In the following description, it is assumed that:

- All user entries are denoted in **boldfaced and underlined** type;
- All computer responses are in **BOLDFACED CAPS**; and
- All user entries are followed by pressing the 'ENTER' key.

To begin the TNMLOOK program, at the DOS prompt, type **a:TNMLOOK**

```
C:\WINDOWS> a:TNMLOOK
```

The computer responds with the program's title as shown below.

```
* * * * *
```

```
FEDERAL HIGHWAY ADMINISTRATION  
TRAFFIC NOISE MODEL (FHWA TNM) VERSION 1.0
```

```
LOOK-UP PROGRAM
```

```
PREPARED BY:
```

```
THE VOLPE CENTER ACOUSTICS FACILITY
```

```
PRESS ENTER KEY TO CONTINUE
```

The user is prompted to enter the name of a file to store all input and computed results.

```
ENTER NAME OF FILE TO WHICH CASE INFORMATION AND CASE RESULTS WILL BE  
SAVED: testfile
```

The user may then enter a 77-character description of the case.

```
ENTER SINGLE LINE CASE DESCRIPTION: Test file for using the TNMLOOK program.
```

First, the user is asked to choose metric or English units to be used for input and computed results. Note that the results contained within the Look-Up Tables were computed in TNM using metric units. Therefore, if the user chooses English units, a hard conversion (1 m = 3.281 ft, 1 km/h = 0.621 mph) is performed on all TNMLOOK parameters to obtain the metric-to-English units, rounded to one decimal point.

WILL METRIC OR ENGLISH UNITS BE USED? (EITHER M OR E): M

Next, the user is asked to enter traffic volume and speed information.

The user is asked if motorcycles or buses will be included in the traffic mix.

WILL MOTORCYCLES OR BUSES BE INCLUDED IN THE TRAFFIC MIX ? (Y/N): Y

If the user responds Y for yes, then the program will prompt the user for motorcycle and bus traffic information following input of the traffic information for automobiles, medium trucks, and heavy trucks. If the user responds N for no, then the program will not prompt the user after input of the primary traffic information. Note that this question has been included as a brief time-saving measure since most users will only have data for the three primary vehicle types (automobiles, medium trucks, and heavy trucks).

Enter the automobile volume information in vehicles per hour between 0 and 99999.

ENTER AUTOMOBILE VOLUME (v/h): 1000

Enter the automobile speed information in kilometers per hour (km/h) between 0 and 130 km/h.

ENTER AUTOMOBILE SPEED (km/h): 80

Enter the medium truck volume information in vehicles per hour between 0 and 99999.

ENTER MEDIUM TRUCK VOLUME (v/h): 200

Enter the medium truck speed information in kilometers per hour (km/h) between 0 and 130 km/h.

ENTER MEDIUM TRUCK SPEED (km/h): 70

Enter the heavy truck volume information in vehicles per hour between 0 and 99999.

ENTER HEAVY TRUCK VOLUME (v/h): 500

Enter the heavy truck speed information in kilometers per hour (km/h) between 0 and 130 km/h.

ENTER HEAVY TRUCK SPEED (km/h): 65

If you had answered Y for yes to include motorcycle and bus traffic information, you would now be prompted to enter bus and motorcycle traffic information.

Enter the bus volume information in vehicles per hour between 0 and 99999.

ENTER BUS VOLUME (v/h): 50

Enter the bus speed information in kilometers per hour (km/h) between 0 and 130 km/h.

ENTER BUS SPEED (km/h): 70

Enter the motorcycle volume information in vehicles per hour between 0 and 99999.

ENTER MOTORCYCLE VOLUME (v/h): 50

Enter the motorcycle speed information in kilometers per hour (km/h) between 0 and 130 km/h.

ENTER MOTORCYCLE SPEED (km/h): 80

Next, the user is asked if a barrier will be included in the input case.

DOES THIS CASE INCLUDE A NOISE BARRIER ? (Y/N) Y

If the user answers Y for yes, the included barrier is of infinite length and placed parallel to the roadway (see Figure 1 for an example). If the user answers N for no, then the program will proceed to

the terrain-surface information question below. If the user answers Y for yes, then the program prompts the user to select the distance between the barrier and the centerline of the roadway. The user has two distance options (10 or 30 m).

**SELECT A DISTANCE BETWEEN CENTER OF
ROADWAY AND BARRIER (EITHER 10 OR 30 m):** 10

The user is then prompted to enter a desired barrier height between 2 and 10 m. Note that the program will not interpolate between whole integer heights (e.g., 2.5 m); however, the user may estimate the sound levels for intermediate heights by using the general rule-of-thumb that once the line of sight between source and receiver is impeded by a barrier, a 1-m change in barrier height typically equates to a 1.5-dB change in sound level.

ENTER BARRIER HEIGHT (EITHER 2,3,4,5,6,7,8,9, OR 10 m): 4

Next, the user is asked to choose whether the terrain surface is acoustically hard or acoustically soft.*

**IS THE TERRAIN SURFACE ACOUSTICALLY
HARD (PAVEMENT) OR SOFT (LAWN) ? (H/S)** s

Next, the user is asked to enter receiver information. All receivers are set at a height of 1.5 m above the ground and placed at user-input offset positions perpendicular to the roadway.

The user is prompted to include a single line description for each receiver. When all receivers have been entered, the user may type -1 to end receiver input.

**ENTER RECEIVER # 1 SINGLE LINE DESCRIPTION:
ENTER (-1) TO END** Receiver @ 30 m representing first row of homes.

If -1 was not entered, the user will then be prompted to enter the receiver's distance between 10 and 300 m from the centerline of the roadway.

ENTER DISTANCE FROM CENTER OF ROADWAY (m): 30

* Acoustically hard terrain is defined as any highly reflective surface in which the phase of the sound energy is essentially preserved upon reflection; examples include water, asphalt, and concrete. Acoustically soft terrain is defined as any highly absorptive surface in which the phase of the sound energy is changed upon reflection; examples include terrain covered with grass, dense vegetation, or freshly fallen snow.

The user is then asked to enter a single-line description for the next receiver. For this receiver, a -1 is entered to end receiver input.

**ENTER RECEIVER # 2 SINGLE LINE DESCRIPTION:
ENTER (-1) TO END -1**

With all desired input data entered, the TNMLOOK program begins its computations. First, the hourly-equivalent sound level (L_{Aeq1h}) at each receiver is computed and displayed.* If a barrier were present, then the L_{Aeq1h} computed at the receiver behind the barrier, as well as the barrier insertion loss, i.e., the difference in level before and after installation of a barrier, is computed and displayed.

```

CALCULATING SOUND LEVEL FOR RECEIVER          1....
DISTANCE FROM CENTER OF ROADWAY (m):          30
HOURLY EQUIVALENT SOUND LEVEL WITH BARRIER   (dB):  61.6
HOURLY EQUIVALENT SOUND LEVEL WITHOUT BARRIER (dB):  71.1
BARRIER INSERTION LOSS (dB):                 9.5
CASE INFORMATION AND CASE RESULTS PROVIDED IN FILE:  testfile

```

TO PRINT YOUR OUTPUT FILE, AT THE DOS PROMPT, TYPE A:PRINT FILENAME

As displayed above, to print the output file, wait until all computed sound levels have been displayed. Then, at the DOS prompt, type a:PRINT FILENAME. Figure 2 below displays the ASCII output file, testfile.

```
C:\WINDOWS>      a:PRINT TESTFILE
```

* The hourly-equivalent sound level, (1hEQ, denoted by the symbol, L_{Aeq1h} , also often referred to as LEQ) is defined as ten times the base-10 logarithm of the square of the ratio of time-mean-square, instantaneous A-weighted sound pressure, during one hour, divided by the squared reference sound pressure of 20 μ Pa, the threshold of human hearing.

```

Testfile

***** CASE INFORMATION *****

Test file for using the HWY program.

***** TRAFFIC VOLUME/SPEED INFORMATION *****

Automobile volume (v/h):                1000
Average automobile speed (km/h):         80
Medium truck volume (v/h):              200
Average medium truck speed (km/h):       70
Heavy truck volume (v/h):               500
Average heavy truck speed (km/h):        65
Bus volume (v/h):                       50
Average bus speed (km/h):                70
Motorcycle volume (v/h):                 50
Average motorcycle speed (km/h):          80

***** BARRIER INFORMATION *****

Distance between center of roadway and barrier (m): 10
Barrier height (m):                          4

***** TERRAIN SURFACE INFORMATION *****

Terrain surface:                            soft

***** RECEIVER INFORMATION *****

DESCRIPTION OF RECEIVER # 1

Receiver @ 30 m representing first row of homes.

Distance from center of roadway (m):        30
Hourly Equivalent Sound Level with Barrier (dB): 61.6
Hourly Equivalent Sound Level without Barrier (dB): 71.1
Barrier Insertion Loss (dB):                 9.5

```

Figure 2. ASCII output file: Testfile.

3. LOOK-UP TABLE DATA

This section contains the TNM Look-Up Tables in their entirety. Section 3.1 presents hourly equivalent sound level data (L_{Aeq1h}) for geometries with no barrier. Section 3.2 presents L_{Aeq1h} data for geometries with a barrier 10 m from the centerline of the roadway. Section 3.3 presents L_{Aeq1h} data for geometries with a barrier 30 m from the centerline of the roadway.

Each tabulated value represents the L_{Aeq1h} for 1000 vehicle pass-bys. To combine L_{Aeq1h} values for mixed traffic volumes, the following equation may be used* :

$$L_{Aeq1h} = 10 \times \text{Log}_{10} \left\{ \left[\frac{V_{Auto}}{1000} \times 10^{L_{Aeq1h(Auto)}/10} \right] + \left[\frac{V_{MT}}{1000} \times 10^{L_{Aeq1h(MT)}/10} \right] \right. \\ \left. + \left[\frac{V_{HT}}{1000} \times 10^{L_{Aeq1h(HT)}/10} \right] + \left[\frac{V_{Bus}}{1000} \times 10^{L_{Aeq1h(Bus)}/10} \right] + \left[\frac{V_{MC}}{1000} \times 10^{L_{Aeq1h(MC)}/10} \right] \right\}$$

where: L_{Aeq1h} is the hourly equivalent sound level taking into account all input parameters;
 V_{Auto} is the volume of automobile traffic;
 $L_{Aeq1h(Auto)}$ is the hourly equivalent sound level associated with automobiles, interpolated from the appropriate look-up table for the appropriate input parameters;
 V_{MT} is the volume of medium truck traffic;
 $L_{Aeq1h(MT)}$ is the hourly equivalent sound level associated with medium trucks, interpolated from the appropriate look-up table for the appropriate input parameters;
 V_{HT} is the volume of heavy truck traffic;
 $L_{Aeq1h(HT)}$ is the hourly equivalent sound level associated with heavy trucks, interpolated from the appropriate look-up table for the appropriate input parameters;
 V_{Bus} is the volume of bus traffic;
 $L_{Aeq1h(Bus)}$ is the hourly equivalent sound level associated with buses, interpolated from the appropriate look-up table for the appropriate input parameters;
 V_{MC} is the volume of motorcycle traffic; and
 $L_{Aeq1h(MC)}$ is the hourly equivalent sound level associated with motorcycles, interpolated from the appropriate look-up table for the appropriate input parameters.

For example, to compute the barrier insertion loss in the *testfile* example presented in Section 2 (see Figure 2):

- (1.) First, compute the L_{Aeq1h} with a barrier present (at a distance of 10 m from the center of the roadway) by retrieving the L_{Aeq1h} data for each vehicle type from the appropriate Look-Up Tables:

For a 30-m receiver, the L_{Aeq1h} contribution from automobiles at traveling 80 km/h (Table 22) is 51.6 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from medium trucks at traveling 70 km/h (Table 40) is 58.4 dB;

* This equation, which is consistent with the TNM program, is used within TNMLOOK for computing the L_{Aeq1h} at a given receiver location.

For a 30-m receiver, the L_{Aeq1h} contribution from heavy trucks at traveling 65 km/h (Table 58, interpolated between 60 and 70 km/h) is 63.15 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from buses traveling at 70 km/h (Table 76) is 58.3 dB; and

For a 30-m receiver, the L_{Aeq1h} contribution from motorcycles traveling at 80 km/h (Table 94) is 62.6 dB.

Then, substitute the above L_{Aeq1h} values and the vehicle volumes (from Figure 2) into the following equation:

$$L_{Aeq1h} = 10 \times \text{Log}_{10} \left\{ \left[\frac{1000}{1000} \times 10^{51.6/10} \right] + \left[\frac{200}{1000} \times 10^{58.4/10} \right] + \left[\frac{500}{1000} \times 10^{63.15/10} \right] + \left[\frac{50}{1000} \times 10^{58.3/10} \right] + \left[\frac{50}{1000} \times 10^{62.6/10} \right] \right\}$$

$$= 61.6 \text{ dB}$$

- (2.) Next, compute the L_{Aeq1h} without a barrier by retrieving the L_{Aeq1h} data for each vehicle type from the appropriate Look-Up Tables:

For a 30-m receiver, the L_{Aeq1h} contribution from automobiles at traveling 80 km/h (Table 2) is 60.9 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from medium trucks at traveling 70 km/h (Table 4) is 67.8 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from heavy trucks at traveling 65 km/h (Table 6, interpolated between 60 and 70 km/h) is 72.8 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from buses traveling at 70 km/h (Table 8) is 67.9 dB; and

For a 30-m receiver, the L_{Aeq1h} contribution from motorcycles traveling at 80 km/h (Table 10) is 71.7 dB.

Then, substitute the above L_{Aeq1h} values and the vehicle volumes (from Figure 2) into the following equation:

$$L_{Aeq1h} = 10 \times \text{Log}_{10} \left\{ \left[\frac{1000}{1000} \times 10^{60.9/10} \right] + \left[\frac{200}{1000} \times 10^{67.8/10} \right] + \left[\frac{500}{1000} \times 10^{72.8/10} \right] + \left[\frac{50}{1000} \times 10^{67.9/10} \right] + \left[\frac{50}{1000} \times 10^{71.7/10} \right] \right\}$$

$$= 71.1 \text{ dB}$$

- (3.) The resultant barrier insertion loss is computed by algebraically subtracting the with-barrier L_{Aeq1h} from the without-barrier L_{Aeq1h} :

$$\text{Barrier Insertion Loss} = 71.1 - 61.6 = 9.5 \text{ dB}$$



3.1 Geometries with No Barrier

Table 1. No barrier L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	51.4	53.3	55.2	57.1	59.9	62.6	65.0	67.0	68.8	70.4	71.8	73.2	74.4	75.5
40	50.2	52.1	54.0	55.9	58.8	61.4	63.8	65.8	67.6	69.2	70.6	71.9	73.2	74.3
50	49.2	51.1	53.0	54.9	57.8	60.5	62.8	64.8	66.6	68.2	69.6	70.9	72.2	73.3
60	48.4	50.3	52.2	54.1	57.0	59.7	62.0	64.0	65.8	67.3	68.8	70.1	71.3	72.5
70	47.7	49.6	51.5	53.4	56.3	58.9	61.2	63.3	65.0	66.6	68.0	69.4	70.6	71.7
80	47.3	49.1	50.9	52.7	55.6	58.3	60.6	62.6	64.4	65.9	67.4	68.7	69.9	71.1
90	46.5	48.4	50.3	52.2	55.0	57.7	60.0	62.0	63.8	65.3	66.8	68.1	69.3	70.4
100	46.2	48.0	49.8	51.6	54.5	57.2	59.5	61.5	63.2	64.8	66.2	67.5	68.8	69.9
110	45.5	47.4	49.3	51.2	54.0	56.7	59.0	61.0	62.7	64.3	65.7	67.0	68.2	69.4
120	45.0	46.9	48.8	50.7	53.6	56.2	58.5	60.5	62.3	63.8	65.3	66.6	67.8	68.9
130	44.6	46.5	48.4	50.3	53.1	55.8	58.1	60.1	61.8	63.4	64.8	66.1	67.3	68.4
140	44.2	46.1	48.0	49.9	52.7	55.4	57.7	59.7	61.4	63.0	64.4	65.7	66.9	68.0
150	44.1	45.9	47.7	49.5	52.4	55.0	57.3	59.3	61.0	62.6	64.0	65.3	66.5	67.6
160	43.5	45.4	47.3	49.2	52.0	54.7	56.9	58.9	60.7	62.2	63.6	64.9	66.1	67.3
170	43.4	45.2	47.0	48.8	51.7	54.3	56.6	58.6	60.3	61.9	63.3	64.6	65.8	66.9
180	43.1	44.9	46.7	48.5	51.4	54.0	56.3	58.3	60.0	61.5	63.0	64.2	65.4	66.6
190	42.8	44.6	46.4	48.2	51.1	53.7	56.0	57.9	59.7	61.2	62.6	63.9	65.1	66.2
200	42.5	44.3	46.1	47.9	50.8	53.4	55.7	57.6	59.4	60.9	62.3	63.6	64.8	65.9
210	42.0	43.9	45.8	47.7	50.5	53.1	55.4	57.4	59.1	60.6	62.0	63.3	64.5	65.6
220	41.7	43.6	45.5	47.4	50.2	52.8	55.1	57.1	58.8	60.4	61.7	63.0	64.2	65.3
230	41.7	43.5	45.3	47.1	50.0	52.6	54.8	56.8	58.5	60.1	61.5	62.8	63.9	65.0
240	41.2	43.1	45.0	46.9	49.7	52.3	54.6	56.6	58.3	59.8	61.2	62.5	63.7	64.8
250	41.2	43.0	44.8	46.6	49.5	52.1	54.3	56.3	58.0	59.6	61.0	62.2	63.4	64.5
260	41.0	42.8	44.6	46.4	49.2	51.8	54.1	56.1	57.8	59.3	60.7	62.0	63.2	64.3
270	40.8	42.6	44.4	46.2	49.0	51.6	53.9	55.8	57.6	59.1	60.5	61.7	62.9	64.0
280	40.3	42.2	44.1	46.0	48.8	51.4	53.7	55.6	57.3	58.9	60.2	61.5	62.7	63.8
290	40.1	42.0	43.9	45.8	48.6	51.2	53.4	55.4	57.1	58.6	60.0	61.3	62.4	63.5
300	39.9	41.8	43.7	45.6	48.4	51.0	53.2	55.2	56.9	58.4	59.8	61.1	62.2	63.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 2. No barrier L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	45.1	46.8	48.5	50.2	52.8	55.3	57.4	59.3	60.9	62.4	63.8	65.1	66.2	67.4
40	43.2	44.8	46.4	48.0	50.6	53.0	55.1	56.9	58.5	60.0	61.3	62.5	63.7	64.8
50	41.8	43.3	44.8	46.3	48.9	51.2	53.2	55.0	56.6	58.0	59.2	60.4	61.6	62.6
60	40.5	42.0	43.5	45.0	47.4	49.7	51.7	53.4	54.9	56.3	57.5	58.7	59.8	60.8
70	39.6	41.0	42.4	43.8	46.2	48.5	50.4	52.0	53.5	54.8	56.0	57.1	58.2	59.2
80	38.6	40.0	41.4	42.8	45.2	47.4	49.3	50.9	52.3	53.5	54.7	55.8	56.8	57.8
90	38.0	39.3	40.6	41.9	44.3	46.4	48.3	49.9	51.2	52.5	53.6	54.6	55.6	56.5
100	37.3	38.6	39.9	41.2	43.5	45.6	47.4	49.0	50.3	51.5	52.6	53.6	54.5	55.4
110	36.9	38.1	39.3	40.5	42.8	44.9	46.7	48.2	49.5	50.6	51.7	52.7	53.6	54.5
120	36.3	37.5	38.7	39.9	42.2	44.3	46.0	47.5	48.7	49.9	50.9	51.8	52.7	53.6
130	35.8	37.0	38.2	39.4	41.6	43.7	45.4	46.9	48.1	49.2	50.2	51.1	52.0	52.8
140	35.3	36.5	37.7	38.9	41.1	43.2	44.9	46.3	47.5	48.6	49.5	50.4	51.2	52.0
150	34.9	36.1	37.3	38.5	40.7	42.7	44.4	45.8	47.0	48.0	48.9	49.8	50.6	51.3
160	34.5	35.7	36.9	38.1	40.3	42.2	43.9	45.3	46.4	47.4	48.3	49.2	50.0	50.7
170	34.1	35.3	36.5	37.7	39.9	41.8	43.5	44.8	46.0	46.9	47.8	48.6	49.4	50.1
180	34.0	35.1	36.2	37.3	39.5	41.4	43.1	44.4	45.5	46.5	47.3	48.1	48.8	49.5
190	33.4	34.6	35.8	37.0	39.1	41.1	42.7	44.0	45.1	46.0	46.8	47.6	48.3	48.9
200	33.1	34.3	35.5	36.7	38.8	40.7	42.3	43.6	44.7	45.6	46.4	47.1	47.8	48.4
210	32.8	34.0	35.2	36.4	38.5	40.4	42.0	43.3	44.3	45.2	46.0	46.7	47.3	47.9
220	32.8	33.9	35.0	36.1	38.2	40.1	41.7	42.9	44.0	44.9	45.6	46.3	46.9	47.5
230	32.3	33.5	34.7	35.9	37.9	39.8	41.4	42.7	43.7	44.5	45.3	45.9	46.5	47.1
240	32.3	33.4	34.5	35.6	37.7	39.6	41.1	42.4	43.4	44.3	45.0	45.6	46.2	46.7
250	32.1	33.2	34.3	35.4	37.5	39.4	40.9	42.2	43.2	44.0	44.7	45.4	45.9	46.4
260	31.9	33.0	34.1	35.2	37.3	39.2	40.7	41.9	42.9	43.8	44.5	45.1	45.7	46.2
270	31.7	32.8	33.9	35.0	37.1	39.0	40.5	41.7	42.7	43.6	44.3	44.9	45.4	45.9
280	31.5	32.6	33.7	34.8	36.9	38.8	40.3	41.5	42.5	43.3	44.0	44.6	45.2	45.6
290	31.3	32.4	33.5	34.6	36.7	38.6	40.1	41.3	42.3	43.1	43.8	44.4	44.9	45.4
300	31.2	32.3	33.4	34.5	36.5	38.4	39.9	41.1	42.1	42.9	43.6	44.1	44.7	45.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 3. No barrier L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	67.7	68.7	69.7	70.7	71.7	72.7	73.9	75.2	76.4	77.6	78.7	79.7	80.7	81.6
40	66.6	67.6	68.6	69.6	70.6	71.6	72.8	74.1	75.3	76.5	77.6	78.6	79.6	80.5
50	65.7	66.7	67.7	68.7	69.7	70.7	71.9	73.2	74.4	75.6	76.7	77.7	78.7	79.6
60	65.3	66.2	67.1	68.0	68.9	69.8	71.1	72.4	73.6	74.8	75.9	76.9	77.9	78.8
70	64.1	65.1	66.1	67.1	68.1	69.1	70.4	71.7	72.9	74.1	75.2	76.2	77.2	78.1
80	63.5	64.5	65.5	66.5	67.5	68.5	69.7	71.0	72.3	73.4	74.5	75.6	76.5	77.5
90	62.9	63.9	64.9	65.9	66.9	67.9	69.2	70.5	71.7	72.9	74.0	75.0	76.0	76.9
100	62.4	63.4	64.4	65.4	66.4	67.4	68.7	69.9	71.2	72.4	73.5	74.5	75.5	76.4
110	62.4	63.3	64.2	65.1	66.0	66.9	68.2	69.5	70.7	71.9	73.0	74.0	75.0	75.9
120	61.5	62.5	63.5	64.5	65.5	66.5	67.7	69.0	70.3	71.4	72.5	73.6	74.5	75.4
130	61.1	62.1	63.1	64.1	65.1	66.1	67.3	68.6	69.8	71.0	72.1	73.1	74.1	75.0
140	60.8	61.7	62.7	63.7	64.7	65.7	66.9	68.2	69.5	70.6	71.7	72.8	73.7	74.6
150	60.5	61.7	62.6	63.5	64.4	65.3	66.6	67.9	69.1	70.3	71.4	72.4	73.4	74.3
160	60.0	61.0	62.0	63.0	64.0	65.0	66.2	67.5	68.7	69.9	71.0	72.0	73.0	73.9
170	59.7	60.7	61.7	62.7	63.7	64.7	65.9	67.2	68.4	69.6	70.7	71.7	72.7	73.6
180	59.4	60.4	61.4	62.4	63.4	64.4	65.6	66.9	68.1	69.3	70.4	71.4	72.4	73.3
190	59.1	60.1	61.1	62.1	63.1	64.1	65.3	66.6	67.8	69.0	70.1	71.1	72.1	73.0
200	58.8	59.8	60.8	61.8	62.8	63.8	65.0	66.3	67.5	68.7	69.8	70.8	71.8	72.7
210	58.6	59.7	60.5	61.5	62.5	63.5	64.7	66.0	67.2	68.4	69.5	70.5	71.5	72.4
220	58.4	59.5	60.5	61.4	62.3	63.2	64.5	65.7	67.0	68.1	69.2	70.3	71.2	72.1
230	58.0	59.0	60.0	61.0	62.0	63.0	64.2	65.5	66.7	67.9	69.0	70.0	71.0	71.9
240	57.8	58.8	59.8	60.8	61.8	62.8	64.0	65.3	66.5	67.6	68.7	69.8	70.7	71.6
250	57.5	58.5	59.5	60.5	61.5	62.5	63.7	65.0	66.2	67.4	68.5	69.5	70.5	71.4
260	57.3	58.3	59.3	60.3	61.3	62.3	63.5	64.8	66.0	67.2	68.3	69.3	70.3	71.2
270	57.1	58.1	59.1	60.1	61.1	62.1	63.3	64.6	65.8	67.0	68.0	69.1	70.0	70.9
280	56.9	57.9	58.9	59.9	60.9	61.9	63.1	64.4	65.6	66.7	67.8	68.9	69.8	70.7
290	56.7	57.7	58.7	59.7	60.7	61.7	62.9	64.1	65.4	66.5	67.6	68.6	69.6	70.5
300	56.5	57.5	58.5	59.5	60.5	61.5	62.7	63.9	65.2	66.3	67.4	68.4	69.4	70.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 4. No barrier L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	62.1	62.8	63.5	64.2	64.9	65.6	66.7	67.8	68.9	69.9	70.9	71.8	72.7	73.5
40	60.0	60.7	61.4	62.1	62.8	63.5	64.5	65.5	66.6	67.6	68.5	69.4	70.2	71.0
50	58.8	59.4	60.0	60.6	61.2	61.8	62.7	63.7	64.7	65.7	66.6	67.4	68.2	69.0
60	57.4	58.0	58.6	59.2	59.8	60.4	61.3	62.2	63.2	64.1	64.9	65.8	66.5	67.3
70	56.2	56.8	57.4	58.0	58.6	59.2	60.0	60.9	61.8	62.7	63.5	64.3	65.0	65.7
80	55.6	56.1	56.6	57.1	57.6	58.1	58.9	59.7	60.6	61.5	62.2	63.0	63.7	64.4
90	54.7	55.2	55.7	56.2	56.7	57.2	57.9	58.8	59.6	60.4	61.2	61.9	62.6	63.2
100	54.4	54.8	55.2	55.6	56.0	56.4	57.1	57.9	58.7	59.5	60.2	60.9	61.6	62.2
110	54.1	54.4	54.7	55.0	55.3	55.6	56.3	57.1	57.9	58.6	59.3	60.0	60.6	61.3
120	53.0	53.4	53.8	54.2	54.6	55.0	55.6	56.4	57.1	57.9	58.5	59.2	59.8	60.4
130	52.9	53.2	53.5	53.8	54.1	54.4	55.0	55.8	56.5	57.2	57.8	58.5	59.1	59.6
140	52.4	52.7	53.0	53.3	53.6	53.9	54.5	55.2	55.9	56.5	57.2	57.8	58.4	58.9
150	51.9	52.2	52.5	52.8	53.1	53.4	54.0	54.6	55.3	56.0	56.6	57.2	57.7	58.3
160	51.9	52.1	52.3	52.5	52.7	52.9	53.5	54.1	54.8	55.4	56.0	56.6	57.1	57.6
170	51.5	51.7	51.9	52.1	52.3	52.5	53.0	53.7	54.3	54.9	55.5	56.1	56.6	57.1
180	51.1	51.3	51.5	51.7	51.9	52.1	52.6	53.2	53.9	54.5	55.0	55.5	56.0	56.5
190	50.7	50.9	51.1	51.3	51.5	51.7	52.2	52.8	53.4	54.0	54.6	55.1	55.5	56.0
200	50.4	50.6	50.8	51.0	51.2	51.4	51.9	52.5	53.0	53.6	54.1	54.6	55.1	55.5
210	50.1	50.3	50.5	50.7	50.9	51.1	51.5	52.1	52.7	53.2	53.7	54.2	54.6	55.0
220	49.8	50.0	50.2	50.4	50.6	50.8	51.2	51.8	52.3	52.9	53.4	53.8	54.2	54.6
230	49.5	49.7	49.9	50.1	50.3	50.5	51.0	51.5	52.0	52.6	53.0	53.5	53.9	54.3
240	49.3	49.5	49.7	49.9	50.1	50.3	50.7	51.2	51.8	52.3	52.8	53.2	53.6	54.0
250	49.2	49.5	49.7	49.8	49.9	50.0	50.5	51.0	51.5	52.0	52.5	52.9	53.4	53.7
260	49.1	49.4	49.5	49.6	49.7	49.8	50.3	50.8	51.3	51.8	52.3	52.7	53.1	53.5
270	49.1	49.2	49.3	49.4	49.5	49.6	50.1	50.6	51.1	51.6	52.1	52.5	52.9	53.3
280	48.9	49.0	49.1	49.2	49.3	49.4	49.9	50.4	50.9	51.4	51.8	52.3	52.7	53.0
290	48.7	48.8	48.9	49.0	49.1	49.2	49.7	50.2	50.7	51.2	51.6	52.1	52.4	52.8
300	48.5	48.6	48.7	48.8	48.9	49.0	49.5	50.0	50.5	51.0	51.4	51.8	52.2	52.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 5. No barrier L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	74.6	74.9	75.2	75.5	75.8	76.1	76.9	77.9	79.1	80.2	81.4	82.5	83.6	84.7
40	73.3	73.6	73.9	74.2	74.5	74.8	75.5	76.5	77.6	78.8	79.9	81.0	82.1	83.1
50	72.3	72.6	72.9	73.2	73.5	73.8	74.5	75.5	76.6	77.7	78.8	79.9	80.9	82.0
60	71.9	72.1	72.3	72.5	72.7	72.9	73.7	74.6	75.7	76.8	77.9	79.0	80.1	81.1
70	71.2	71.4	71.6	71.8	72.0	72.2	73.0	73.9	75.0	76.1	77.2	78.3	79.4	80.4
80	70.6	70.8	71.0	71.2	71.4	71.6	72.3	73.3	74.4	75.5	76.6	77.7	78.8	79.8
90	69.6	69.9	70.2	70.5	70.8	71.1	71.8	72.8	73.8	75.0	76.1	77.2	78.3	79.3
100	69.1	69.4	69.7	70.0	70.3	70.6	71.3	72.3	73.4	74.5	75.6	76.7	77.8	78.8
110	69.1	69.3	69.5	69.7	69.9	70.1	70.8	71.8	72.9	74.0	75.1	76.2	77.3	78.4
120	68.7	68.9	69.1	69.3	69.5	69.7	70.4	71.4	72.5	73.6	74.7	75.8	76.9	78.0
130	68.3	68.5	68.7	68.9	69.1	69.3	70.0	71.0	72.1	73.2	74.3	75.4	76.5	77.6
140	67.9	68.1	68.3	68.5	68.7	68.9	69.7	70.6	71.7	72.8	74.0	75.1	76.1	77.2
150	67.6	67.8	68.0	68.2	68.4	68.6	69.3	70.3	71.4	72.5	73.6	74.7	75.8	76.9
160	66.8	67.1	67.4	67.7	68.0	68.3	69.0	69.9	71.0	72.2	73.3	74.4	75.5	76.5
170	66.7	67.1	67.3	67.5	67.7	67.9	68.7	69.6	70.7	71.8	73.0	74.1	75.1	76.2
180	66.6	66.8	67.0	67.2	67.4	67.6	68.4	69.3	70.4	71.5	72.6	73.7	74.8	75.9
190	65.9	66.2	66.5	66.8	67.1	67.4	68.1	69.0	70.1	71.2	72.3	73.4	74.5	75.6
200	65.8	66.2	66.5	66.7	66.9	67.1	67.8	68.8	69.8	70.9	72.1	73.2	74.2	75.3
210	65.8	66.0	66.2	66.4	66.6	66.8	67.5	68.5	69.6	70.7	71.8	72.9	74.0	75.0
220	65.6	65.8	66.0	66.2	66.4	66.6	67.3	68.2	69.3	70.4	71.5	72.6	73.7	74.7
230	65.3	65.5	65.7	65.9	66.1	66.3	67.0	68.0	69.0	70.2	71.3	72.4	73.4	74.5
240	65.1	65.3	65.5	65.7	65.9	66.1	66.8	67.7	68.8	69.9	71.0	72.1	73.2	74.2
250	64.9	65.1	65.3	65.5	65.7	65.9	66.6	67.5	68.6	69.7	70.8	71.9	72.9	74.0
260	64.6	64.8	65.0	65.2	65.4	65.6	66.3	67.3	68.3	69.4	70.5	71.6	72.7	73.7
270	64.4	64.6	64.8	65.0	65.2	65.4	66.1	67.1	68.1	69.2	70.3	71.4	72.5	73.5
280	64.2	64.4	64.6	64.8	65.0	65.2	65.9	66.8	67.9	69.0	70.1	71.2	72.2	73.3
290	64.0	64.2	64.4	64.6	64.8	65.0	65.7	66.6	67.7	68.8	69.9	70.9	72.0	73.1
300	63.8	64.0	64.2	64.4	64.6	64.8	65.5	66.4	67.5	68.6	69.7	70.7	71.8	72.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 6. No barrier L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	71.2	71.3	71.4	71.5	71.6	71.7	72.4	73.2	74.2	75.3	76.3	77.4	78.4	79.5
40	69.7	69.8	69.9	70.0	70.1	70.2	70.7	71.6	72.5	73.5	74.5	75.6	76.6	77.6
50	68.9	68.9	68.9	68.9	68.9	68.9	69.4	70.2	71.2	72.2	73.2	74.2	75.2	76.2
60	67.8	67.8	67.8	67.8	67.8	67.8	68.4	69.1	70.0	71.0	72.0	73.0	74.0	74.9
70	66.9	66.9	66.9	66.9	66.9	66.9	67.4	68.2	69.0	70.0	71.0	71.9	72.9	73.9
80	66.1	66.1	66.1	66.1	66.1	66.1	66.5	67.3	68.1	69.1	70.0	70.9	71.9	72.8
90	65.3	65.3	65.3	65.3	65.3	65.3	65.8	66.5	67.3	68.2	69.1	70.0	71.0	71.9
100	64.6	64.6	64.6	64.6	64.6	64.6	65.0	65.7	66.5	67.4	68.3	69.2	70.1	71.0
110	64.0	64.0	64.0	64.0	64.0	64.0	64.4	65.0	65.8	66.6	67.5	68.4	69.2	70.1
120	63.3	63.3	63.3	63.3	63.3	63.3	63.7	64.4	65.1	65.9	66.8	67.6	68.5	69.3
130	62.8	62.8	62.8	62.8	62.8	62.8	63.1	63.7	64.5	65.3	66.1	66.9	67.7	68.5
140	62.2	62.2	62.2	62.2	62.2	62.2	62.6	63.2	63.9	64.6	65.4	66.2	67.0	67.8
150	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.6	63.3	64.0	64.8	65.5	66.3	67.1
160	61.3	61.3	61.3	61.3	61.3	61.3	61.5	62.1	62.7	63.4	64.2	64.9	65.7	66.4
170	60.8	60.8	60.8	60.8	60.8	60.8	61.1	61.6	62.2	62.9	63.6	64.3	65.0	65.8
180	60.4	60.4	60.4	60.4	60.4	60.4	60.6	61.1	61.7	62.3	63.0	63.7	64.4	65.1
190	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.6	61.2	61.8	62.5	63.2	63.8	64.5
200	59.6	59.6	59.6	59.6	59.6	59.6	59.8	60.2	60.8	61.4	62.0	62.6	63.3	64.0
210	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.8	60.3	60.9	61.5	62.1	62.7	63.4
220	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.4	59.9	60.5	61.0	61.6	62.2	62.9
230	58.5	58.5	58.5	58.5	58.5	58.5	58.6	59.0	59.5	60.0	60.6	61.2	61.8	62.4
240	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.7	59.1	59.6	60.2	60.7	61.3	61.9
250	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.3	58.8	59.3	59.8	60.3	60.9	61.4
260	57.6	57.6	57.6	57.6	57.6	57.6	57.7	58.0	58.5	58.9	59.4	59.9	60.5	61.0
270	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.7	58.2	58.6	59.1	59.6	60.1	60.6
280	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.5	57.9	58.3	58.7	59.2	59.7	60.2
290	56.8	56.8	56.8	56.8	56.8	56.8	56.9	57.2	57.6	58.0	58.4	58.9	59.3	59.8
300	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.9	57.3	57.7	58.1	58.5	59.0	59.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 7. No barrier L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	70.7	71.3	71.9	72.5	73.1	73.7	74.4	75.0	75.7	76.3	76.8	77.4	77.9	78.5
40	69.6	70.2	70.8	71.4	72.0	72.6	73.2	73.9	74.5	75.1	75.7	76.3	76.8	77.3
50	68.6	69.2	69.8	70.4	71.0	71.6	72.3	72.9	73.6	74.2	74.8	75.3	75.9	76.4
60	67.8	68.4	69.0	69.6	70.2	70.8	71.5	72.1	72.7	73.4	73.9	74.5	75.0	75.6
70	67.1	67.7	68.3	68.9	69.5	70.1	70.7	71.4	72.0	72.6	73.2	73.8	74.3	74.8
80	66.5	67.1	67.7	68.3	68.9	69.5	70.1	70.8	71.4	72.0	72.6	73.1	73.7	74.2
90	65.9	66.5	67.1	67.7	68.3	68.9	69.5	70.2	70.8	71.4	72.0	72.6	73.1	73.6
100	65.4	66.0	66.6	67.2	67.8	68.4	69.0	69.7	70.3	70.9	71.5	72.0	72.6	73.1
110	64.9	65.5	66.1	66.7	67.3	67.9	68.5	69.2	69.8	70.4	71.0	71.5	72.1	72.6
120	64.9	65.4	65.9	66.4	66.9	67.4	68.1	68.7	69.4	70.0	70.5	71.1	71.6	72.1
130	64.5	65.0	65.5	66.0	66.5	67.0	67.7	68.3	68.9	69.5	70.1	70.7	71.2	71.7
140	64.1	64.6	65.1	65.6	66.1	66.6	67.3	67.9	68.5	69.1	69.7	70.3	70.8	71.3
150	63.3	63.9	64.5	65.1	65.7	66.3	66.9	67.6	68.2	68.8	69.3	69.9	70.4	70.9
160	63.4	63.9	64.4	64.9	65.4	65.9	66.6	67.2	67.8	68.4	69.0	69.5	70.0	70.6
170	62.6	63.2	63.8	64.4	65.0	65.6	66.2	66.9	67.5	68.1	68.6	69.2	69.7	70.2
180	62.3	62.9	63.5	64.1	64.7	65.3	65.9	66.6	67.2	67.8	68.3	68.9	69.4	69.9
190	62.0	62.6	63.2	63.8	64.4	65.0	65.6	66.3	66.9	67.5	68.0	68.6	69.1	69.6
200	62.0	62.5	63.2	63.7	64.2	64.7	65.3	66.0	66.6	67.2	67.7	68.3	68.8	69.3
210	61.9	62.4	62.9	63.4	63.9	64.4	65.1	65.7	66.3	66.9	67.4	68.0	68.5	69.0
220	61.2	61.8	62.4	63.0	63.6	64.2	64.8	65.4	66.0	66.6	67.2	67.7	68.2	68.7
230	61.0	61.6	62.4	62.9	63.4	63.9	64.6	65.2	65.8	66.4	66.9	67.4	68.0	68.5
240	60.7	61.3	61.9	62.5	63.1	63.7	64.3	64.9	65.5	66.1	66.7	67.2	67.7	68.2
250	60.5	61.1	61.7	62.3	62.9	63.5	64.1	64.7	65.3	65.9	66.4	66.9	67.5	68.0
260	60.5	61.1	61.7	62.2	62.7	63.2	63.8	64.5	65.1	65.6	66.2	66.7	67.2	67.7
270	60.5	61.0	61.5	62.0	62.5	63.0	63.6	64.2	64.8	65.4	66.0	66.5	67.0	67.5
280	60.3	60.8	61.3	61.8	62.3	62.8	63.4	64.0	64.6	65.2	65.7	66.3	66.8	67.3
290	59.6	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.4	65.0	65.5	66.0	66.5	67.0
300	58.9	59.6	60.3	61.4	61.9	62.4	63.0	63.6	64.2	64.8	65.3	65.8	66.3	66.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 8. No barrier L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	64.9	65.3	65.7	66.1	66.5	66.9	67.4	67.9	68.4	68.9	69.4	69.8	70.3	70.8
40	63.3	63.6	63.9	64.2	64.5	64.8	65.3	65.7	66.2	66.7	67.1	67.5	67.9	68.4
50	61.2	61.6	62.0	62.4	62.8	63.2	63.6	64.0	64.4	64.8	65.2	65.6	66.0	66.4
60	60.3	60.6	60.9	61.2	61.5	61.8	62.1	62.5	62.9	63.3	63.7	64.0	64.4	64.7
70	59.5	59.7	59.9	60.1	60.3	60.5	60.9	61.3	61.6	62.0	62.3	62.6	62.9	63.3
80	58.0	58.3	58.6	58.9	59.2	59.5	59.8	60.1	60.4	60.8	61.1	61.4	61.7	62.0
90	57.5	57.7	57.9	58.1	58.3	58.5	58.8	59.1	59.4	59.7	60.0	60.3	60.5	60.8
100	56.7	56.9	57.1	57.3	57.5	57.7	58.0	58.3	58.5	58.8	59.1	59.3	59.5	59.8
110	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.5	57.7	58.0	58.2	58.4	58.6	58.9
120	55.3	55.5	55.7	55.9	56.1	56.3	56.5	56.7	57.0	57.2	57.4	57.6	57.8	58.0
130	55.1	55.2	55.3	55.4	55.5	55.6	55.9	56.1	56.3	56.5	56.7	56.9	57.1	57.2
140	54.1	54.3	54.5	54.7	54.9	55.1	55.3	55.5	55.7	55.9	56.1	56.2	56.4	56.5
150	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.1	55.3	55.5	55.6	55.7	55.9
160	53.6	53.7	53.8	53.9	54.0	54.1	54.3	54.4	54.6	54.8	54.9	55.0	55.2	55.3
170	53.1	53.2	53.3	53.4	53.5	53.6	53.8	54.0	54.1	54.3	54.4	54.5	54.6	54.7
180	52.7	52.8	52.9	53.0	53.1	53.2	53.4	53.5	53.7	53.8	53.9	54.0	54.1	54.2
190	52.3	52.4	52.5	52.6	52.7	52.8	53.0	53.1	53.2	53.4	53.5	53.5	53.6	53.7
200	52.3	52.4	52.4	52.4	52.4	52.4	52.6	52.7	52.9	53.0	53.0	53.1	53.2	53.2
210	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.4	52.5	52.6	52.6	52.7	52.7	52.8
220	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.3	52.4	52.4
230	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.0	52.0	52.0
240	51.0	51.1	51.2	51.2	51.2	51.2	51.3	51.5	51.6	51.6	51.7	51.7	51.7	51.7
250	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.4	51.4	51.5	51.5
260	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.1	51.2	51.2	51.2	51.2
270	50.3	50.4	50.5	50.5	50.5	50.5	50.7	50.8	50.9	50.9	51.0	51.0	51.0	51.0
280	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.6	50.6	50.7	50.7	50.7	50.7	50.7
290	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.3	50.4	50.5	50.5	50.5	50.5	50.5
300	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 9. No barrier L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	57.4	60.1	62.8	65.5	68.7	71.5	73.8	75.8	77.6	79.1	80.5	81.7	82.9	83.9
40	56.3	59.0	61.7	64.4	67.6	70.3	72.7	74.7	76.4	78.0	79.3	80.6	81.7	82.7
50	55.3	58.0	60.7	63.4	66.6	69.4	71.7	73.7	75.5	77.0	78.4	79.6	80.7	81.8
60	54.5	57.2	59.9	62.6	65.8	68.6	70.9	72.9	74.6	76.2	77.6	78.8	79.9	81.0
70	53.8	56.5	59.2	61.9	65.1	67.9	70.2	72.2	73.9	75.5	76.8	78.1	79.2	80.2
80	53.2	55.9	58.6	61.3	64.5	67.3	69.6	71.6	73.3	74.8	76.2	77.4	78.6	79.6
90	52.4	55.2	58.0	60.8	63.9	66.7	69.0	71.0	72.8	74.3	75.6	76.9	78.0	79.0
100	52.1	54.8	57.5	60.2	63.4	66.2	68.5	70.5	72.2	73.8	75.1	76.4	77.5	78.5
110	51.7	54.4	57.1	59.8	63.0	65.7	68.0	70.0	71.8	73.3	74.7	75.9	77.0	78.1
120	51.0	53.8	56.6	59.4	62.5	65.3	67.6	69.6	71.3	72.9	74.2	75.5	76.6	77.6
130	50.6	53.4	56.2	59.0	62.1	64.9	67.2	69.2	70.9	72.5	73.8	75.1	76.2	77.2
140	50.2	53.0	55.8	58.6	61.7	64.5	66.8	68.8	70.6	72.1	73.5	74.7	75.8	76.8
150	50.1	52.8	55.5	58.2	61.4	64.2	66.5	68.5	70.2	71.7	73.1	74.3	75.5	76.5
160	49.8	52.5	55.2	57.9	61.1	63.8	66.2	68.1	69.9	71.4	72.8	74.0	75.1	76.2
170	49.5	52.2	54.9	57.6	60.8	63.5	65.8	67.8	69.6	71.1	72.5	73.7	74.8	75.8
180	49.2	51.9	54.6	57.3	60.5	63.2	65.5	67.5	69.3	70.8	72.2	73.4	74.5	75.5
190	48.9	51.6	54.3	57.0	60.2	62.9	65.3	67.2	69.0	70.5	71.9	73.1	74.2	75.3
200	48.6	51.3	54.0	56.7	59.9	62.7	65.0	67.0	68.7	70.2	71.6	72.8	74.0	75.0
210	48.1	50.9	53.7	56.5	59.6	62.4	64.7	66.7	68.4	70.0	71.3	72.6	73.7	74.7
220	48.1	50.8	53.5	56.2	59.4	62.1	64.5	66.5	68.2	69.7	71.1	72.3	73.4	74.5
230	47.6	50.4	53.2	56.0	59.1	61.9	64.2	66.2	68.0	69.5	70.8	72.1	73.2	74.2
240	47.6	50.3	53.0	55.7	58.9	61.7	64.0	66.0	67.7	69.2	70.6	71.8	73.0	74.0
250	47.4	50.1	52.8	55.5	58.7	61.4	63.8	65.8	67.5	69.0	70.4	71.6	72.7	73.8
260	47.2	49.9	52.6	55.3	58.5	61.2	63.6	65.6	67.3	68.8	70.2	71.4	72.5	73.6
270	47.0	49.7	52.4	55.1	58.3	61.0	63.3	65.3	67.1	68.6	70.0	71.2	72.3	73.3
280	46.8	49.5	52.2	54.9	58.1	60.8	63.1	65.1	66.9	68.4	69.8	71.0	72.1	73.1
290	46.6	49.3	52.0	54.7	57.9	60.6	62.9	64.9	66.7	68.2	69.6	70.8	71.9	72.9
300	46.4	49.1	51.8	54.5	57.7	60.4	62.8	64.7	66.5	68.0	69.4	70.6	71.7	72.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 10. No barrier L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	51.0	53.8	56.6	59.4	62.6	65.5	67.8	69.9	71.7	73.3	74.7	76.0	77.2	78.2
40	49.0	51.8	54.6	57.4	60.7	63.5	65.9	67.9	69.7	71.3	72.8	74.1	75.2	76.3
50	47.4	50.2	53.0	55.8	59.1	61.9	64.3	66.4	68.2	69.8	71.2	72.5	73.7	74.8
60	46.1	48.9	51.7	54.5	57.8	60.6	63.0	65.1	66.9	68.5	69.9	71.3	72.5	73.6
70	45.0	47.8	50.6	53.4	56.6	59.5	61.9	64.0	65.8	67.4	68.8	70.2	71.4	72.5
80	44.0	46.8	49.6	52.4	55.6	58.5	60.9	63.0	64.8	66.4	67.9	69.2	70.4	71.5
90	43.1	45.9	48.7	51.5	54.8	57.6	60.0	62.1	64.0	65.6	67.0	68.4	69.6	70.7
100	42.1	45.0	47.9	50.8	54.0	56.9	59.3	61.4	63.2	64.8	66.3	67.6	68.9	70.0
110	41.4	44.3	47.2	50.1	53.3	56.2	58.6	60.7	62.5	64.2	65.6	67.0	68.2	69.3
120	41.0	43.8	46.6	49.4	52.7	55.6	58.0	60.1	61.9	63.6	65.0	66.4	67.6	68.7
130	40.2	43.1	46.0	48.9	52.1	55.0	57.4	59.5	61.4	63.0	64.5	65.8	67.0	68.2
140	39.9	42.7	45.5	48.3	51.6	54.5	56.9	59.0	60.8	62.5	64.0	65.3	66.5	67.7
150	39.2	42.1	45.0	47.9	51.1	54.0	56.4	58.5	60.4	62.0	63.5	64.8	66.1	67.2
160	39.0	41.8	44.6	47.4	50.7	53.5	56.0	58.1	59.9	61.6	63.1	64.4	65.6	66.8
170	38.6	41.4	44.2	47.0	50.3	53.1	55.6	57.7	59.5	61.2	62.6	64.0	65.2	66.3
180	38.2	41.0	43.8	46.6	49.9	52.7	55.2	57.3	59.1	60.8	62.3	63.6	64.8	66.0
190	37.8	40.6	43.4	46.2	49.5	52.4	54.8	56.9	58.8	60.4	61.9	63.2	64.5	65.6
200	37.5	40.3	43.1	45.9	49.2	52.0	54.5	56.6	58.4	60.1	61.6	62.9	64.1	65.3
210	36.9	39.8	42.7	45.6	48.8	51.7	54.2	56.3	58.1	59.8	61.2	62.6	63.8	65.0
220	36.6	39.5	42.4	45.3	48.5	51.4	53.9	56.0	57.8	59.5	60.9	62.3	63.5	64.7
230	36.5	39.4	42.2	45.0	48.3	51.1	53.6	55.7	57.5	59.2	60.7	62.0	63.3	64.4
240	36.3	39.1	41.9	44.7	48.0	50.9	53.3	55.4	57.3	58.9	60.4	61.8	63.0	64.1
250	36.1	38.9	41.7	44.5	47.8	50.6	53.1	55.2	57.0	58.7	60.2	61.5	62.8	63.9
260	35.6	38.5	41.4	44.3	47.5	50.4	52.8	55.0	56.8	58.5	59.9	61.3	62.5	63.7
270	35.4	38.3	41.2	44.1	47.3	50.2	52.6	54.7	56.6	58.2	59.7	61.1	62.3	63.4
280	35.2	38.1	41.0	43.9	47.1	50.0	52.4	54.5	56.4	58.0	59.5	60.9	62.1	63.2
290	35.0	38.0	40.8	43.6	46.9	49.8	52.2	54.3	56.2	57.8	59.3	60.7	61.9	63.0
300	34.8	37.7	40.6	43.5	46.7	49.6	52.0	54.1	56.0	57.6	59.1	60.5	61.7	62.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph



3.2 Geometries with a Barrier at 10 m

Table 11. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	44.1	45.7	47.3	48.9	51.6	54.0	56.1	58.0	59.6	61.0	62.4	63.6	64.7	65.8
30	42.7	44.2	45.7	47.2	49.8	52.1	54.2	55.9	57.5	58.9	60.1	61.3	62.4	63.4
40	41.8	43.4	45.0	46.6	49.1	51.5	53.5	55.2	56.7	58.1	59.3	60.4	61.4	62.4
50	41.3	42.9	44.5	46.1	48.6	51.0	53.0	54.8	56.3	57.7	58.9	60.0	61.0	61.9
60	40.8	42.4	44.0	45.6	48.2	50.6	52.6	54.4	55.9	57.3	58.5	59.6	60.7	61.6
70	40.3	41.9	43.5	45.1	47.7	50.1	52.2	54.0	55.5	56.9	58.1	59.3	60.3	61.3
80	39.9	41.5	43.1	44.7	47.3	49.7	51.8	53.6	55.1	56.5	57.8	58.9	59.9	60.9
90	39.4	41.0	42.6	44.2	46.8	49.3	51.4	53.2	54.7	56.1	57.4	58.5	59.6	60.5
100	39.0	40.6	42.2	43.8	46.4	48.9	51.0	52.8	54.3	55.7	57.0	58.1	59.2	60.1
110	38.6	40.2	41.8	43.4	46.0	48.5	50.6	52.4	53.9	55.3	56.6	57.7	58.8	59.8
120	38.2	39.8	41.4	43.0	45.7	48.1	50.2	52.0	53.6	54.9	56.2	57.3	58.4	59.4
130	37.6	39.3	41.0	42.7	45.3	47.7	49.8	51.6	53.2	54.6	55.8	57.0	58.0	59.0
140	37.5	39.1	40.7	42.3	45.0	47.4	49.5	51.3	52.8	54.2	55.5	56.6	57.7	58.7
150	37.2	38.8	40.4	42.0	44.6	47.1	49.2	50.9	52.5	53.9	55.2	56.3	57.4	58.3
160	36.9	38.5	40.1	41.7	44.3	46.7	48.8	50.6	52.2	53.6	54.8	56.0	57.0	58.0
170	36.6	38.2	39.8	41.4	44.0	46.5	48.5	50.3	51.9	53.3	54.5	55.7	56.7	57.7
180	36.3	37.9	39.5	41.1	43.7	46.2	48.3	50.0	51.6	53.0	54.2	55.4	56.4	57.4
190	35.8	37.5	39.2	40.9	43.5	45.9	48.0	49.8	51.3	52.7	54.0	55.1	56.1	57.1
200	35.8	37.4	39.0	40.6	43.2	45.6	47.7	49.5	51.1	52.4	53.7	54.8	55.9	56.8
210	35.5	37.1	38.7	40.3	42.9	45.4	47.5	49.2	50.8	52.2	53.4	54.6	55.6	56.6
220	35.3	36.9	38.5	40.1	42.7	45.1	47.2	49.0	50.5	51.9	53.2	54.3	55.3	56.3
230	34.8	36.5	38.2	39.9	42.5	44.9	47.0	48.7	50.3	51.7	52.9	54.0	55.1	56.1
240	34.8	36.4	38.0	39.6	42.2	44.7	46.7	48.5	50.1	51.4	52.7	53.8	54.8	55.8
250	34.6	36.2	37.8	39.4	42.0	44.4	46.5	48.3	49.8	51.2	52.4	53.6	54.6	55.6
260	34.4	36.0	37.6	39.2	41.8	44.2	46.3	48.1	49.6	51.0	52.2	53.3	54.4	55.3
270	34.2	35.8	37.4	39.0	41.6	44.0	46.1	47.8	49.4	50.8	52.0	53.1	54.1	55.1
280	34.0	35.6	37.2	38.8	41.4	43.8	45.9	47.6	49.2	50.5	51.8	52.9	53.9	54.9
290	33.8	35.4	37.0	38.6	41.2	43.6	45.7	47.4	49.0	50.3	51.6	52.7	53.7	54.7
300	33.6	35.2	36.8	38.4	41.0	43.4	45.5	47.2	48.8	50.1	51.4	52.5	53.5	54.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 12. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	42.3	43.8	45.3	46.8	49.3	51.7	53.7	55.5	57.0	58.4	59.6	60.7	61.8	62.8
30	40.6	42.0	43.4	44.8	47.3	49.6	51.5	53.2	54.7	56.1	57.3	58.4	59.4	60.4
40	39.6	41.1	42.6	44.1	46.6	48.8	50.8	52.4	53.9	55.2	56.4	57.4	58.4	59.4
50	39.4	40.8	42.2	43.6	46.1	48.4	50.3	52.0	53.4	54.7	55.8	56.9	57.8	58.7
60	38.7	40.2	41.7	43.2	45.7	48.0	49.9	51.6	53.0	54.3	55.4	56.5	57.4	58.3
70	38.3	39.8	41.3	42.8	45.3	47.6	49.5	51.2	52.7	53.9	55.1	56.1	57.1	57.9
80	37.6	39.2	40.8	42.4	44.9	47.2	49.2	50.8	52.3	53.6	54.7	55.8	56.7	57.6
90	37.4	38.9	40.4	41.9	44.5	46.8	48.8	50.5	51.9	53.2	54.4	55.4	56.4	57.3
100	36.8	38.4	40.0	41.6	44.1	46.4	48.4	50.1	51.6	52.9	54.0	55.1	56.1	57.0
110	36.4	38.0	39.6	41.2	43.7	46.1	48.0	49.8	51.2	52.5	53.7	54.8	55.7	56.6
120	36.3	37.8	39.3	40.8	43.4	45.7	47.7	49.4	50.9	52.2	53.4	54.4	55.4	56.3
130	35.7	37.3	38.9	40.5	43.0	45.4	47.4	49.1	50.6	51.9	53.0	54.1	55.1	56.0
140	35.4	37.0	38.6	40.2	42.7	45.0	47.0	48.7	50.2	51.5	52.7	53.8	54.7	55.7
150	35.3	36.8	38.3	39.8	42.4	44.7	46.7	48.4	49.9	51.2	52.4	53.5	54.4	55.3
160	35.0	36.5	38.0	39.5	42.1	44.4	46.4	48.1	49.6	50.9	52.1	53.2	54.1	55.0
170	34.5	36.1	37.7	39.3	41.8	44.1	46.1	47.8	49.3	50.6	51.8	52.9	53.8	54.7
180	34.5	36.0	37.5	39.0	41.5	43.9	45.9	47.6	49.0	50.3	51.5	52.6	53.6	54.5
190	34.2	35.7	37.2	38.7	41.3	43.6	45.6	47.3	48.8	50.1	51.2	52.3	53.3	54.2
200	33.7	35.3	36.9	38.5	41.0	43.3	45.3	47.0	48.5	49.8	51.0	52.0	53.0	53.9
210	33.7	35.2	36.7	38.2	40.7	43.1	45.1	46.8	48.3	49.6	50.7	51.8	52.7	53.7
220	33.5	35.0	36.5	38.0	40.5	42.8	44.8	46.5	48.0	49.3	50.5	51.5	52.5	53.4
230	33.0	34.6	36.2	37.8	40.3	42.6	44.6	46.3	47.8	49.1	50.2	51.3	52.2	53.1
240	33.0	34.5	36.0	37.5	40.1	42.4	44.4	46.1	47.5	48.8	50.0	51.0	52.0	52.9
250	32.8	34.3	35.8	37.3	39.8	42.2	44.2	45.9	47.3	48.6	49.8	50.8	51.8	52.7
260	32.6	34.1	35.6	37.1	39.6	42.0	43.9	45.6	47.1	48.4	49.5	50.6	51.6	52.4
270	32.4	33.9	35.4	36.9	39.4	41.8	43.7	45.4	46.9	48.2	49.3	50.4	51.3	52.2
280	32.2	33.7	35.2	36.7	39.2	41.6	43.5	45.2	46.7	48.0	49.1	50.2	51.1	52.0
290	32.0	33.5	35.0	36.5	39.0	41.4	43.3	45.0	46.5	47.8	48.9	50.0	50.9	51.8
300	31.6	33.2	34.8	36.4	38.9	41.2	43.1	44.8	46.3	47.6	48.7	49.8	50.7	51.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 13. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	40.6	42.0	43.4	44.8	47.3	49.6	51.5	53.2	54.7	56.0	57.2	58.3	59.3	60.3
30	38.9	40.3	41.7	43.1	45.5	47.7	49.6	51.3	52.7	54.0	55.1	56.2	57.2	58.1
40	38.0	39.4	40.8	42.2	44.6	46.9	48.8	50.4	51.8	53.0	54.2	55.2	56.2	57.1
50	37.5	38.9	40.3	41.7	44.1	46.3	48.2	49.8	51.2	52.4	53.5	54.5	55.4	56.3
60	37.0	38.4	39.8	41.2	43.6	45.8	47.7	49.3	50.7	51.9	53.0	53.9	54.9	55.7
70	36.3	37.8	39.3	40.8	43.2	45.4	47.3	48.9	50.2	51.5	52.5	53.5	54.4	55.2
80	36.1	37.5	38.9	40.3	42.8	45.0	46.9	48.5	49.9	51.1	52.2	53.1	54.0	54.9
90	35.7	37.1	38.5	39.9	42.4	44.6	46.5	48.1	49.5	50.7	51.8	52.8	53.7	54.5
100	35.1	36.6	38.1	39.6	42.0	44.2	46.2	47.8	49.2	50.4	51.5	52.5	53.4	54.2
110	34.7	36.2	37.7	39.2	41.6	43.9	45.8	47.4	48.8	50.1	51.2	52.2	53.1	53.9
120	34.6	36.0	37.4	38.8	41.3	43.6	45.5	47.1	48.5	49.7	50.8	51.8	52.8	53.6
130	34.3	35.7	37.1	38.5	41.0	43.2	45.1	46.8	48.2	49.4	50.5	51.5	52.4	53.3
140	33.7	35.2	36.7	38.2	40.6	42.9	44.8	46.5	47.9	49.1	50.2	51.2	52.1	53.0
150	33.4	34.9	36.4	37.9	40.3	42.6	44.5	46.2	47.6	48.8	49.9	50.9	51.8	52.7
160	33.1	34.6	36.1	37.6	40.0	42.3	44.2	45.9	47.3	48.5	49.6	50.6	51.6	52.4
170	33.1	34.5	35.9	37.3	39.8	42.0	44.0	45.6	47.0	48.2	49.4	50.4	51.3	52.1
180	32.6	34.1	35.6	37.1	39.5	41.8	43.7	45.3	46.7	48.0	49.1	50.1	51.0	51.9
190	32.3	33.8	35.3	36.8	39.2	41.5	43.4	45.1	46.5	47.7	48.8	49.8	50.7	51.6
200	32.1	33.6	35.1	36.6	39.0	41.3	43.2	44.8	46.2	47.5	48.6	49.6	50.5	51.3
210	32.1	33.5	34.9	36.3	38.8	41.0	42.9	44.6	46.0	47.2	48.3	49.3	50.2	51.1
220	31.6	33.1	34.6	36.1	38.5	40.8	42.7	44.3	45.7	47.0	48.1	49.1	50.0	50.8
230	31.4	32.9	34.4	35.9	38.3	40.5	42.5	44.1	45.5	46.7	47.8	48.8	49.7	50.6
240	31.4	32.8	34.2	35.6	38.1	40.3	42.2	43.9	45.3	46.5	47.6	48.6	49.5	50.4
250	31.2	32.6	34.0	35.4	37.9	40.1	42.0	43.6	45.0	46.3	47.4	48.4	49.3	50.1
260	31.0	32.4	33.8	35.2	37.7	39.9	41.8	43.4	44.8	46.1	47.2	48.1	49.1	49.9
270	30.8	32.2	33.6	35.0	37.5	39.7	41.6	43.2	44.6	45.8	46.9	47.9	48.8	49.7
280	30.6	32.0	33.4	34.8	37.3	39.5	41.4	43.0	44.4	45.6	46.7	47.7	48.6	49.5
290	30.4	31.8	33.2	34.6	37.1	39.3	41.2	42.8	44.2	45.4	46.5	47.5	48.4	49.3
300	30.0	31.5	33.0	34.5	36.9	39.1	41.0	42.6	44.0	45.2	46.3	47.3	48.2	49.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 14. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	39.2	40.6	42.0	43.4	45.9	48.1	50.0	51.7	53.1	54.4	55.6	56.6	57.6	58.6
30	37.7	39.1	40.5	41.9	44.3	46.5	48.4	50.0	51.4	52.6	53.7	54.8	55.7	56.6
40	36.7	38.1	39.5	40.9	43.2	45.4	47.3	48.9	50.2	51.5	52.5	53.6	54.5	55.4
50	36.0	37.4	38.8	40.2	42.6	44.7	46.6	48.1	49.5	50.7	51.8	52.7	53.7	54.5
60	35.5	36.9	38.3	39.7	42.0	44.2	46.0	47.6	48.9	50.1	51.1	52.1	53.0	53.8
70	35.0	36.4	37.8	39.2	41.6	43.7	45.6	47.1	48.4	49.6	50.6	51.6	52.4	53.3
80	34.6	36.0	37.4	38.8	41.1	43.3	45.2	46.7	48.0	49.2	50.2	51.2	52.0	52.8
90	34.2	35.6	37.0	38.4	40.8	42.9	44.8	46.3	47.7	48.8	49.9	50.8	51.7	52.5
100	33.8	35.2	36.6	38.0	40.4	42.6	44.5	46.0	47.4	48.5	49.6	50.5	51.4	52.2
110	33.5	34.9	36.3	37.7	40.1	42.3	44.1	45.7	47.0	48.2	49.3	50.2	51.1	51.9
120	33.1	34.5	35.9	37.3	39.7	41.9	43.8	45.4	46.7	47.9	49.0	49.9	50.8	51.6
130	32.8	34.2	35.6	37.0	39.4	41.6	43.5	45.1	46.4	47.6	48.7	49.6	50.5	51.3
140	32.5	33.9	35.3	36.7	39.1	41.3	43.2	44.8	46.1	47.3	48.4	49.3	50.2	51.0
150	32.2	33.6	35.0	36.4	38.8	41.0	42.9	44.5	45.9	47.0	48.1	49.1	49.9	50.8
160	31.9	33.3	34.7	36.1	38.5	40.8	42.6	44.2	45.6	46.8	47.8	48.8	49.7	50.5
170	31.7	33.1	34.5	35.9	38.3	40.5	42.4	44.0	45.3	46.5	47.6	48.5	49.4	50.2
180	31.4	32.8	34.2	35.6	38.0	40.2	42.1	43.7	45.1	46.2	47.3	48.3	49.2	50.0
190	31.2	32.6	34.0	35.4	37.8	40.0	41.9	43.4	44.8	46.0	47.1	48.0	48.9	49.7
200	30.9	32.3	33.7	35.1	37.5	39.7	41.6	43.2	44.6	45.8	46.8	47.8	48.7	49.5
210	30.7	32.1	33.5	34.9	37.3	39.5	41.4	43.0	44.3	45.5	46.6	47.5	48.4	49.2
220	30.5	31.9	33.3	34.7	37.1	39.3	41.1	42.7	44.1	45.3	46.3	47.3	48.2	49.0
230	30.2	31.6	33.0	34.4	36.8	39.0	40.9	42.5	43.9	45.0	46.1	47.1	47.9	48.8
240	30.0	31.4	32.8	34.2	36.6	38.8	40.7	42.3	43.6	44.8	45.9	46.8	47.7	48.5
250	29.8	31.2	32.6	34.0	36.4	38.6	40.5	42.1	43.4	44.6	45.7	46.6	47.5	48.3
260	29.6	31.0	32.4	33.8	36.2	38.4	40.3	41.9	43.2	44.4	45.5	46.4	47.3	48.1
270	29.4	30.8	32.2	33.6	36.0	38.2	40.1	41.7	43.0	44.2	45.3	46.2	47.1	47.9
280	29.2	30.6	32.0	33.4	35.8	38.0	39.9	41.5	42.8	44.0	45.0	46.0	46.9	47.7
290	29.1	30.5	31.9	33.3	35.6	37.8	39.7	41.3	42.6	43.8	44.8	45.8	46.7	47.5
300	28.9	30.3	31.7	33.1	35.5	37.7	39.5	41.1	42.4	43.6	44.7	45.6	46.5	47.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 15. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	38.0	39.4	40.8	42.2	44.7	46.9	48.8	50.4	51.9	53.1	54.3	55.3	56.3	57.2
30	36.7	38.1	39.5	40.9	43.2	45.4	47.3	48.8	50.2	51.4	52.5	53.5	54.4	55.3
40	35.9	37.2	38.5	39.8	42.2	44.3	46.1	47.7	49.0	50.2	51.3	52.3	53.2	54.0
50	35.1	36.4	37.7	39.0	41.3	43.5	45.3	46.8	48.1	49.3	50.3	51.3	52.2	53.0
60	34.5	35.8	37.1	38.4	40.7	42.8	44.6	46.2	47.5	48.6	49.6	50.6	51.4	52.2
70	34.0	35.3	36.6	37.9	40.2	42.4	44.2	45.7	47.0	48.1	49.1	50.0	50.9	51.6
80	33.6	34.9	36.2	37.5	39.8	42.0	43.8	45.3	46.6	47.7	48.7	49.6	50.4	51.2
90	33.2	34.5	35.8	37.1	39.5	41.6	43.4	44.9	46.2	47.3	48.3	49.2	50.1	50.8
100	32.6	34.0	35.4	36.8	39.1	41.3	43.1	44.6	45.9	47.0	48.0	48.9	49.8	50.5
110	32.3	33.7	35.1	36.5	38.8	41.0	42.8	44.3	45.6	46.7	47.7	48.6	49.5	50.2
120	32.2	33.5	34.8	36.1	38.5	40.6	42.5	44.0	45.3	46.4	47.5	48.4	49.2	50.0
130	31.9	33.2	34.5	35.8	38.2	40.3	42.2	43.7	45.0	46.2	47.2	48.1	48.9	49.7
140	31.6	32.9	34.2	35.5	37.9	40.1	41.9	43.4	44.7	45.9	46.9	47.8	48.7	49.4
150	31.3	32.6	33.9	35.2	37.6	39.8	41.6	43.1	44.5	45.6	46.6	47.6	48.4	49.2
160	30.8	32.2	33.6	35.0	37.3	39.5	41.3	42.9	44.2	45.4	46.4	47.3	48.1	48.9
170	30.5	31.9	33.3	34.7	37.1	39.2	41.1	42.6	43.9	45.1	46.1	47.0	47.9	48.7
180	30.5	31.8	33.1	34.4	36.8	39.0	40.8	42.4	43.7	44.8	45.9	46.8	47.6	48.4
190	30.0	31.4	32.8	34.2	36.6	38.7	40.6	42.1	43.4	44.6	45.6	46.5	47.4	48.2
200	29.8	31.2	32.6	34.0	36.3	38.5	40.3	41.9	43.2	44.4	45.4	46.3	47.1	47.9
210	29.8	31.1	32.4	33.7	36.1	38.3	40.1	41.6	43.0	44.1	45.1	46.1	46.9	47.7
220	29.3	30.7	32.1	33.5	35.9	38.0	39.9	41.4	42.7	43.9	44.9	45.8	46.7	47.5
230	29.1	30.5	31.9	33.3	35.6	37.8	39.7	41.2	42.5	43.7	44.7	45.6	46.4	47.2
240	28.9	30.3	31.7	33.1	35.4	37.6	39.4	41.0	42.3	43.5	44.5	45.4	46.2	47.0
250	28.7	30.1	31.5	32.9	35.2	37.4	39.2	40.8	42.1	43.2	44.3	45.2	46.0	46.8
260	28.5	29.9	31.3	32.7	35.0	37.2	39.0	40.6	41.9	43.0	44.1	45.0	45.8	46.6
270	28.3	29.7	31.1	32.5	34.8	37.0	38.8	40.4	41.7	42.8	43.8	44.8	45.6	46.4
280	28.1	29.5	30.9	32.3	34.7	36.8	38.7	40.2	41.5	42.6	43.7	44.6	45.4	46.2
290	28.2	29.5	30.8	32.1	34.5	36.6	38.5	40.0	41.3	42.4	43.5	44.4	45.2	46.0
300	28.0	29.3	30.6	31.9	34.3	36.5	38.3	39.8	41.1	42.3	43.3	44.2	45.0	45.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 16. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	36.8	38.3	39.8	41.3	43.7	45.9	47.8	49.4	50.8	52.1	53.2	54.2	55.2	56.1
30	35.8	37.2	38.6	40.0	42.3	44.5	46.3	47.9	49.2	50.4	51.4	52.4	53.3	54.2
40	35.0	36.3	37.6	38.9	41.2	43.4	45.2	46.7	48.1	49.2	50.3	51.3	52.1	53.0
50	34.1	35.4	36.7	38.0	40.3	42.4	44.2	45.7	47.0	48.2	49.2	50.2	51.0	51.9
60	33.5	34.8	36.1	37.4	39.7	41.8	43.6	45.1	46.4	47.5	48.6	49.5	50.3	51.2
70	33.0	34.3	35.6	36.9	39.2	41.3	43.1	44.6	45.9	47.0	48.0	48.9	49.8	50.6
80	32.6	33.9	35.2	36.5	38.8	40.9	42.7	44.2	45.4	46.5	47.5	48.4	49.2	50.0
90	32.2	33.5	34.8	36.1	38.4	40.5	42.3	43.8	45.0	46.1	47.1	48.0	48.8	49.6
100	31.8	33.1	34.4	35.7	38.0	40.2	41.9	43.4	44.7	45.8	46.8	47.6	48.4	49.2
110	31.5	32.8	34.1	35.4	37.7	39.8	41.6	43.1	44.4	45.5	46.4	47.3	48.1	48.9
120	30.9	32.3	33.7	35.1	37.4	39.5	41.3	42.8	44.1	45.2	46.2	47.0	47.8	48.6
130	30.6	32.0	33.4	34.8	37.1	39.2	41.0	42.5	43.8	44.9	45.9	46.8	47.6	48.3
140	30.3	31.7	33.1	34.5	36.8	38.9	40.7	42.2	43.5	44.6	45.6	46.5	47.3	48.1
150	30.3	31.6	32.9	34.2	36.5	38.7	40.5	42.0	43.3	44.4	45.4	46.3	47.1	47.8
160	30.0	31.3	32.6	33.9	36.3	38.4	40.2	41.7	43.0	44.1	45.1	46.0	46.8	47.6
170	29.5	30.9	32.3	33.7	36.0	38.2	40.0	41.5	42.8	43.9	44.9	45.8	46.6	47.3
180	29.5	30.8	32.1	33.4	35.8	37.9	39.7	41.2	42.5	43.6	44.6	45.5	46.3	47.1
190	29.0	30.4	31.8	33.2	35.5	37.7	39.5	41.0	42.3	43.4	44.4	45.3	46.1	46.9
200	28.8	30.2	31.6	33.0	35.3	37.4	39.2	40.8	42.1	43.2	44.2	45.1	45.9	46.6
210	28.8	30.1	31.4	32.7	35.1	37.2	39.0	40.5	41.8	43.0	44.0	44.8	45.7	46.4
220	28.6	29.9	31.2	32.5	34.8	37.0	38.8	40.3	41.6	42.7	43.7	44.6	45.4	46.2
230	28.1	29.5	30.9	32.3	34.6	36.8	38.6	40.1	41.4	42.5	43.5	44.4	45.2	46.0
240	27.9	29.3	30.7	32.1	34.4	36.6	38.4	39.9	41.2	42.3	43.3	44.2	45.0	45.8
250	27.7	29.1	30.5	31.9	34.2	36.4	38.2	39.7	41.0	42.1	43.1	44.0	44.8	45.6
260	27.7	29.1	30.4	31.7	34.0	36.2	38.0	39.5	40.8	41.9	42.9	43.8	44.6	45.4
270	27.6	28.9	30.2	31.5	33.8	36.0	37.8	39.3	40.6	41.7	42.7	43.6	44.4	45.2
280	27.4	28.7	30.0	31.3	33.7	35.8	37.6	39.1	40.4	41.5	42.5	43.4	44.2	45.0
290	27.0	28.4	29.8	31.2	33.5	35.6	37.4	38.9	40.2	41.3	42.3	43.2	44.0	44.8
300	26.8	28.2	29.6	31.0	33.3	35.4	37.2	38.8	40.0	41.2	42.1	43.0	43.8	44.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 17. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	36.1	37.5	38.9	40.3	42.6	44.9	46.8	48.4	49.8	51.0	52.1	53.1	54.1	55.0
30	35.2	36.5	37.8	39.1	41.4	43.6	45.4	46.9	48.2	49.4	50.4	51.4	52.3	53.1
40	34.2	35.5	36.8	38.1	40.5	42.6	44.4	45.9	47.2	48.3	49.4	50.3	51.2	52.0
50	33.3	34.6	35.9	37.2	39.5	41.6	43.4	44.9	46.1	47.3	48.3	49.2	50.0	50.9
60	32.6	33.9	35.2	36.5	38.8	40.9	42.6	44.1	45.4	46.5	47.5	48.4	49.3	50.1
70	32.1	33.4	34.7	36.0	38.2	40.3	42.1	43.6	44.8	45.9	46.9	47.8	48.6	49.4
80	31.6	32.9	34.2	35.5	37.8	39.9	41.6	43.1	44.3	45.4	46.4	47.2	48.0	48.8
90	31.2	32.5	33.8	35.1	37.4	39.5	41.2	42.7	43.9	45.0	46.0	46.8	47.6	48.3
100	30.9	32.2	33.5	34.8	37.1	39.1	40.9	42.4	43.6	44.7	45.6	46.5	47.2	48.0
110	30.5	31.8	33.1	34.4	36.7	38.8	40.6	42.0	43.3	44.4	45.3	46.1	46.9	47.6
120	30.2	31.5	32.8	34.1	36.4	38.5	40.3	41.8	43.0	44.1	45.0	45.9	46.6	47.4
130	29.9	31.2	32.5	33.8	36.1	38.2	40.0	41.5	42.7	43.8	44.8	45.6	46.4	47.1
140	29.4	30.8	32.2	33.6	35.9	38.0	39.7	41.2	42.5	43.5	44.5	45.4	46.1	46.9
150	29.4	30.7	32.0	33.3	35.6	37.7	39.5	41.0	42.2	43.3	44.3	45.1	45.9	46.6
160	29.1	30.4	31.7	33.0	35.3	37.4	39.2	40.7	42.0	43.1	44.0	44.9	45.7	46.4
170	28.6	30.0	31.4	32.8	35.1	37.2	39.0	40.5	41.7	42.8	43.8	44.6	45.4	46.1
180	28.6	29.9	31.2	32.5	34.8	36.9	38.7	40.2	41.5	42.6	43.5	44.4	45.2	45.9
190	28.1	29.5	30.9	32.3	34.6	36.7	38.5	40.0	41.2	42.3	43.3	44.2	45.0	45.7
200	28.1	29.4	30.7	32.0	34.4	36.5	38.3	39.8	41.0	42.1	43.1	43.9	44.7	45.4
210	27.9	29.2	30.5	31.8	34.1	36.3	38.0	39.5	40.8	41.9	42.9	43.7	44.5	45.2
220	27.7	29.0	30.3	31.6	33.9	36.0	37.8	39.3	40.6	41.7	42.6	43.5	44.3	45.0
230	27.5	28.8	30.1	31.4	33.7	35.8	37.6	39.1	40.4	41.5	42.4	43.3	44.1	44.8
240	27.3	28.6	29.9	31.2	33.5	35.6	37.4	38.9	40.2	41.3	42.2	43.1	43.9	44.6
250	27.1	28.4	29.7	31.0	33.3	35.4	37.2	38.7	40.0	41.1	42.0	42.9	43.7	44.4
260	26.9	28.2	29.5	30.8	33.1	35.2	37.0	38.5	39.8	40.9	41.8	42.7	43.5	44.2
270	26.7	28.0	29.3	30.6	32.9	35.0	36.8	38.3	39.6	40.7	41.6	42.5	43.3	44.0
280	26.5	27.8	29.1	30.4	32.7	34.9	36.6	38.1	39.4	40.5	41.4	42.3	43.1	43.8
290	26.1	27.5	28.9	30.3	32.6	34.7	36.5	37.9	39.2	40.3	41.2	42.1	42.9	43.6
300	26.2	27.5	28.8	30.1	32.4	34.5	36.3	37.8	39.0	40.1	41.1	41.9	42.7	43.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 18. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	35.4	36.7	38.0	39.3	41.7	43.9	45.8	47.3	48.7	49.9	51.0	51.9	52.8	53.7
30	34.4	35.7	37.0	38.3	40.6	42.8	44.6	46.1	47.4	48.5	49.5	50.5	51.3	52.2
40	33.5	34.8	36.1	37.4	39.8	41.9	43.7	45.2	46.5	47.6	48.6	49.5	50.4	51.2
50	32.7	34.0	35.3	36.6	38.9	41.0	42.7	44.2	45.5	46.6	47.6	48.5	49.4	50.2
60	31.9	33.2	34.5	35.8	38.0	40.1	41.9	43.3	44.6	45.7	46.7	47.6	48.4	49.1
70	31.3	32.6	33.9	35.2	37.4	39.5	41.2	42.7	43.9	45.0	46.0	46.8	47.6	48.4
80	30.8	32.1	33.4	34.7	37.0	39.0	40.8	42.2	43.4	44.5	45.4	46.3	47.1	47.8
90	30.4	31.7	33.0	34.3	36.6	38.6	40.4	41.8	43.0	44.1	45.0	45.9	46.6	47.4
100	30.3	31.5	32.7	33.9	36.2	38.3	40.0	41.5	42.7	43.7	44.7	45.5	46.3	47.0
110	29.7	31.0	32.3	33.6	35.9	38.0	39.7	41.1	42.4	43.4	44.3	45.2	45.9	46.6
120	29.4	30.7	32.0	33.3	35.6	37.6	39.4	40.8	42.1	43.1	44.1	44.9	45.6	46.3
130	29.1	30.4	31.7	33.0	35.3	37.4	39.1	40.6	41.8	42.9	43.8	44.6	45.4	46.1
140	28.8	30.1	31.4	32.7	35.0	37.1	38.8	40.3	41.5	42.6	43.5	44.4	45.1	45.8
150	28.3	29.7	31.1	32.5	34.7	36.8	38.6	40.0	41.3	42.4	43.3	44.1	44.9	45.6
160	28.3	29.6	30.9	32.2	34.5	36.6	38.3	39.8	41.0	42.1	43.1	43.9	44.7	45.4
170	28.0	29.3	30.6	31.9	34.2	36.3	38.1	39.6	40.8	41.9	42.8	43.7	44.4	45.1
180	27.8	29.1	30.4	31.7	34.0	36.1	37.9	39.3	40.6	41.7	42.6	43.4	44.2	44.9
190	27.6	28.9	30.2	31.5	33.8	35.9	37.6	39.1	40.4	41.4	42.4	43.2	44.0	44.7
200	27.1	28.5	29.9	31.3	33.5	35.7	37.4	38.9	40.1	41.2	42.2	43.0	43.8	44.5
210	27.1	28.4	29.7	31.0	33.3	35.4	37.2	38.7	39.9	41.0	41.9	42.8	43.6	44.3
220	26.9	28.2	29.5	30.8	33.1	35.2	37.0	38.5	39.7	40.8	41.7	42.6	43.3	44.1
230	26.7	28.0	29.3	30.6	32.9	35.0	36.8	38.3	39.5	40.6	41.5	42.4	43.1	43.8
240	26.5	27.8	29.1	30.4	32.7	34.8	36.6	38.1	39.3	40.4	41.3	42.2	42.9	43.6
250	26.3	27.6	28.9	30.2	32.5	34.6	36.4	37.9	39.1	40.2	41.1	42.0	42.7	43.4
260	26.1	27.4	28.7	30.0	32.3	34.4	36.2	37.7	38.9	40.0	40.9	41.8	42.6	43.3
270	25.9	27.2	28.5	29.8	32.1	34.2	36.0	37.5	38.7	39.8	40.7	41.6	42.4	43.1
280	25.8	27.1	28.4	29.7	32.0	34.1	35.8	37.3	38.5	39.6	40.6	41.4	42.2	42.9
290	25.6	26.9	28.2	29.5	31.8	33.9	35.7	37.1	38.4	39.4	40.4	41.2	42.0	42.7
300	25.4	26.7	28.0	29.3	31.6	33.7	35.5	36.9	38.2	39.3	40.2	41.0	41.8	42.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 19. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	34.5	35.9	37.3	38.7	41.1	43.3	45.2	46.8	48.1	49.3	50.4	51.4	52.3	53.2
30	33.6	35.0	36.4	37.8	40.1	42.2	44.0	45.6	46.9	48.0	49.1	50.0	50.9	51.7
40	32.6	34.0	35.4	36.8	39.1	41.2	42.9	44.4	45.7	46.8	47.9	48.8	49.6	50.4
50	32.1	33.4	34.7	36.0	38.3	40.4	42.2	43.7	45.0	46.1	47.1	48.1	48.9	49.7
60	31.3	32.6	33.9	35.2	37.5	39.6	41.4	42.8	44.1	45.2	46.2	47.1	47.9	48.7
70	30.7	32.0	33.3	34.6	36.8	38.9	40.7	42.1	43.4	44.5	45.4	46.3	47.1	47.9
80	30.2	31.5	32.8	34.1	36.3	38.4	40.1	41.6	42.8	43.9	44.9	45.7	46.5	47.3
90	29.7	31.0	32.3	33.6	35.9	37.9	39.7	41.1	42.3	43.4	44.3	45.2	46.0	46.7
100	29.3	30.6	31.9	33.2	35.5	37.5	39.2	40.7	41.9	43.0	43.9	44.7	45.5	46.2
110	29.0	30.3	31.6	32.9	35.1	37.2	38.9	40.3	41.5	42.6	43.5	44.3	45.1	45.8
120	28.9	30.1	31.3	32.5	34.8	36.9	38.6	40.0	41.2	42.3	43.2	44.0	44.7	45.4
130	28.6	29.8	31.0	32.2	34.5	36.6	38.3	39.7	40.9	42.0	42.9	43.7	44.5	45.2
140	28.1	29.4	30.7	32.0	34.2	36.3	38.0	39.5	40.7	41.7	42.6	43.5	44.2	44.9
150	27.8	29.1	30.4	31.7	34.0	36.0	37.8	39.2	40.4	41.5	42.4	43.2	44.0	44.7
160	27.8	29.0	30.2	31.4	33.7	35.8	37.5	39.0	40.2	41.3	42.2	43.0	43.8	44.5
170	27.3	28.6	29.9	31.2	33.5	35.6	37.3	38.8	40.0	41.0	42.0	42.8	43.6	44.2
180	27.1	28.4	29.7	31.0	33.2	35.3	37.1	38.5	39.8	40.8	41.7	42.6	43.3	44.0
190	26.8	28.1	29.4	30.7	33.0	35.1	36.9	38.3	39.5	40.6	41.5	42.4	43.1	43.8
200	26.6	27.9	29.2	30.5	32.8	34.9	36.6	38.1	39.3	40.4	41.3	42.2	42.9	43.6
210	26.4	27.7	29.0	30.3	32.6	34.7	36.4	37.9	39.1	40.2	41.1	42.0	42.7	43.4
220	26.2	27.5	28.8	30.1	32.4	34.5	36.2	37.7	38.9	40.0	40.9	41.8	42.5	43.2
230	26.0	27.3	28.6	29.9	32.2	34.3	36.0	37.5	38.7	39.8	40.7	41.6	42.3	43.0
240	25.8	27.1	28.4	29.7	32.0	34.1	35.8	37.3	38.5	39.6	40.5	41.4	42.1	42.8
250	25.6	26.9	28.2	29.5	31.8	33.9	35.6	37.1	38.3	39.4	40.3	41.2	41.9	42.6
260	25.4	26.7	28.0	29.3	31.6	33.7	35.5	36.9	38.1	39.2	40.1	41.0	41.7	42.4
270	25.2	26.5	27.8	29.1	31.4	33.5	35.3	36.7	38.0	39.0	40.0	40.8	41.5	42.2
280	25.1	26.4	27.7	29.0	31.2	33.3	35.1	36.5	37.8	38.8	39.8	40.6	41.4	42.1
290	24.9	26.2	27.5	28.8	31.1	33.2	34.9	36.4	37.6	38.7	39.6	40.4	41.2	41.9
300	24.7	26.0	27.3	28.6	30.9	33.0	34.7	36.2	37.4	38.5	39.4	40.3	41.0	41.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 20. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	42.8	44.4	46.0	47.6	50.2	52.7	54.8	56.7	58.3	59.8	61.1	62.4	63.5	64.6
30	40.4	42.0	43.6	45.2	47.8	50.2	52.3	54.2	55.8	57.3	58.7	60.0	61.2	62.3
40	39.2	40.7	42.2	43.7	46.2	48.6	50.7	52.5	54.1	55.6	57.0	58.2	59.4	60.6
50	37.9	39.4	40.9	42.4	44.9	47.2	49.3	51.0	52.6	54.1	55.4	56.7	57.9	59.0
60	37.1	38.5	39.9	41.3	43.7	46.0	48.0	49.7	51.3	52.7	54.0	55.2	56.4	57.5
70	36.1	37.5	38.9	40.3	42.7	44.9	46.9	48.5	50.0	51.4	52.7	53.8	55.0	56.1
80	35.3	36.7	38.1	39.5	41.8	44.0	45.9	47.5	49.0	50.3	51.5	52.6	53.7	54.8
90	34.8	36.1	37.4	38.7	41.0	43.2	45.0	46.6	48.0	49.2	50.4	51.5	52.6	53.6
100	34.4	35.6	36.8	38.0	40.3	42.4	44.2	45.7	47.1	48.3	49.4	50.5	51.5	52.5
110	33.8	35.0	36.2	37.4	39.7	41.7	43.5	45.0	46.3	47.4	48.5	49.5	50.5	51.5
120	33.3	34.5	35.7	36.9	39.1	41.2	42.9	44.3	45.6	46.7	47.7	48.7	49.7	50.6
130	32.8	34.0	35.2	36.4	38.6	40.6	42.3	43.7	45.0	46.0	47.0	48.0	48.9	49.7
140	32.4	33.6	34.8	36.0	38.2	40.2	41.8	43.2	44.4	45.4	46.4	47.3	48.1	49.0
150	32.3	33.4	34.5	35.6	37.8	39.7	41.4	42.7	43.9	44.9	45.8	46.7	47.5	48.3
160	31.7	32.9	34.1	35.3	37.4	39.3	40.9	42.3	43.4	44.4	45.3	46.1	46.9	47.6
170	31.6	32.7	33.8	34.9	37.0	39.0	40.6	41.9	43.0	43.9	44.8	45.6	46.3	47.1
180	31.3	32.4	33.5	34.6	36.7	38.6	40.2	41.5	42.6	43.5	44.3	45.1	45.8	46.5
190	31.0	32.1	33.2	34.3	36.4	38.3	39.9	41.2	42.2	43.1	43.9	44.7	45.3	46.0
200	30.5	31.7	32.9	34.1	36.2	38.0	39.6	40.9	41.9	42.8	43.5	44.2	44.9	45.5
210	30.5	31.6	32.7	33.8	35.9	37.8	39.3	40.6	41.6	42.4	43.2	43.9	44.5	45.1
220	30.3	31.4	32.5	33.6	35.6	37.5	39.0	40.3	41.3	42.1	42.9	43.5	44.1	44.7
230	30.0	31.1	32.2	33.3	35.4	37.3	38.8	40.0	41.0	41.9	42.6	43.2	43.8	44.3
240	29.8	30.9	32.0	33.1	35.2	37.1	38.6	39.8	40.8	41.6	42.3	42.9	43.5	44.0
250	29.6	30.7	31.8	32.9	35.0	36.8	38.3	39.5	40.5	41.3	42.0	42.6	43.2	43.7
260	29.4	30.5	31.6	32.7	34.8	36.6	38.1	39.3	40.3	41.1	41.8	42.3	42.9	43.4
270	29.3	30.5	31.5	32.5	34.6	36.4	37.9	39.1	40.1	40.9	41.5	42.1	42.6	43.1
280	29.1	30.2	31.3	32.4	34.4	36.3	37.7	38.9	39.9	40.7	41.3	41.9	42.4	42.8
290	28.9	30.0	31.1	32.2	34.2	36.1	37.6	38.7	39.7	40.5	41.1	41.6	42.1	42.6
300	28.7	29.8	30.9	32.0	34.1	35.9	37.4	38.6	39.5	40.3	40.9	41.4	41.9	42.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 21. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	41.1	42.6	44.1	45.6	48.1	50.5	52.5	54.3	55.8	57.2	58.4	59.6	60.7	61.7
30	38.8	40.3	41.8	43.3	45.8	48.1	50.1	51.8	53.4	54.8	56.1	57.2	58.4	59.4
40	37.4	38.9	40.4	41.9	44.3	46.6	48.5	50.2	51.7	53.1	54.4	55.6	56.7	57.8
50	36.5	37.9	39.3	40.7	43.1	45.4	47.3	49.0	50.5	51.8	53.1	54.2	55.3	56.4
60	35.6	37.0	38.4	39.8	42.2	44.4	46.3	47.9	49.4	50.7	51.9	53.0	54.1	55.2
70	35.0	36.3	37.6	38.9	41.3	43.4	45.3	46.9	48.3	49.6	50.8	51.9	53.0	54.0
80	34.2	35.5	36.8	38.1	40.4	42.5	44.4	45.9	47.3	48.6	49.7	50.8	51.9	52.9
90	33.8	35.0	36.2	37.4	39.7	41.8	43.6	45.1	46.5	47.7	48.8	49.8	50.9	51.8
100	33.2	34.4	35.6	36.8	39.0	41.1	42.9	44.4	45.7	46.8	47.9	48.9	49.9	50.9
110	32.4	33.7	35.0	36.3	38.5	40.5	42.2	43.7	45.0	46.1	47.1	48.1	49.0	50.0
120	32.1	33.3	34.5	35.7	37.9	39.9	41.6	43.1	44.3	45.4	46.4	47.3	48.2	49.1
130	31.7	32.9	34.1	35.3	37.5	39.5	41.1	42.5	43.7	44.8	45.7	46.6	47.5	48.3
140	31.3	32.5	33.7	34.9	37.0	39.0	40.6	42.0	43.2	44.2	45.1	46.0	46.8	47.6
150	30.9	32.1	33.3	34.5	36.6	38.6	40.2	41.5	42.7	43.7	44.6	45.4	46.2	47.0
160	30.8	31.9	33.0	34.1	36.3	38.2	39.8	41.1	42.2	43.2	44.1	44.9	45.6	46.4
170	30.5	31.6	32.7	33.8	35.9	37.8	39.4	40.7	41.8	42.8	43.6	44.4	45.1	45.8
180	30.2	31.3	32.4	33.5	35.6	37.5	39.1	40.4	41.4	42.4	43.2	43.9	44.6	45.3
190	29.9	31.0	32.1	33.2	35.3	37.2	38.8	40.0	41.1	42.0	42.8	43.5	44.1	44.8
200	29.4	30.6	31.8	33.0	35.0	36.9	38.5	39.7	40.8	41.6	42.4	43.1	43.7	44.3
210	29.4	30.5	31.6	32.7	34.8	36.7	38.2	39.4	40.4	41.3	42.0	42.7	43.3	43.9
220	29.2	30.3	31.4	32.5	34.5	36.4	37.9	39.2	40.2	41.0	41.7	42.4	43.0	43.5
230	28.9	30.0	31.1	32.2	34.3	36.2	37.7	38.9	39.9	40.7	41.4	42.0	42.6	43.2
240	28.7	29.8	30.9	32.0	34.1	35.9	37.4	38.7	39.6	40.4	41.1	41.7	42.3	42.8
250	28.5	29.6	30.7	31.8	33.9	35.7	37.2	38.4	39.4	40.2	40.9	41.5	42.0	42.5
260	28.3	29.4	30.5	31.6	33.7	35.5	37.0	38.2	39.2	39.9	40.6	41.2	41.7	42.2
270	28.1	29.2	30.3	31.4	33.5	35.3	36.8	38.0	38.9	39.7	40.4	40.9	41.4	41.9
280	28.0	29.2	30.2	31.2	33.3	35.1	36.6	37.8	38.7	39.5	40.1	40.7	41.2	41.6
290	27.8	28.9	30.0	31.1	33.1	34.9	36.4	37.6	38.5	39.3	39.9	40.5	40.9	41.4
300	27.6	28.7	29.8	30.9	32.9	34.8	36.2	37.4	38.3	39.1	39.7	40.2	40.7	41.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 22. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	39.7	41.1	42.5	43.9	46.4	48.6	50.6	52.2	53.7	55.0	56.2	57.3	58.3	59.3
30	37.7	39.1	40.5	41.9	44.3	46.5	48.5	50.1	51.6	52.9	54.1	55.3	56.3	57.3
40	36.3	37.7	39.1	40.5	42.8	45.0	46.9	48.5	50.0	51.3	52.5	53.6	54.6	55.6
50	35.5	36.8	38.1	39.4	41.7	43.9	45.8	47.4	48.8	50.0	51.2	52.3	53.3	54.3
60	34.6	35.9	37.2	38.5	40.8	43.0	44.8	46.4	47.7	49.0	50.1	51.2	52.3	53.2
70	33.8	35.1	36.4	37.7	40.0	42.1	43.9	45.5	46.8	48.1	49.2	50.3	51.3	52.2
80	33.1	34.4	35.7	37.0	39.3	41.4	43.1	44.7	46.0	47.2	48.3	49.3	50.3	51.3
90	32.5	33.8	35.1	36.4	38.6	40.7	42.4	43.9	45.2	46.4	47.4	48.4	49.4	50.3
100	32.2	33.4	34.6	35.8	38.0	40.1	41.8	43.2	44.5	45.6	46.7	47.6	48.6	49.5
110	31.7	32.9	34.1	35.3	37.5	39.5	41.2	42.6	43.8	44.9	45.9	46.9	47.8	48.7
120	31.2	32.4	33.6	34.8	37.0	39.0	40.6	42.0	43.2	44.3	45.3	46.2	47.0	47.9
130	30.8	32.0	33.2	34.4	36.5	38.5	40.1	41.5	42.7	43.7	44.6	45.5	46.4	47.2
140	30.6	31.7	32.8	33.9	36.1	38.1	39.7	41.0	42.2	43.2	44.1	44.9	45.7	46.5
150	30.0	31.2	32.4	33.6	35.7	37.6	39.3	40.6	41.7	42.7	43.5	44.4	45.1	45.9
160	29.9	31.0	32.1	33.2	35.3	37.3	38.9	40.2	41.3	42.2	43.1	43.8	44.6	45.3
170	29.6	30.7	31.8	32.9	35.0	36.9	38.5	39.8	40.9	41.8	42.6	43.4	44.1	44.8
180	29.3	30.4	31.5	32.6	34.7	36.6	38.2	39.4	40.5	41.4	42.2	42.9	43.6	44.3
190	29.0	30.1	31.2	32.3	34.4	36.3	37.9	39.1	40.2	41.0	41.8	42.5	43.2	43.8
200	28.8	29.9	31.0	32.1	34.1	36.0	37.6	38.8	39.8	40.7	41.5	42.1	42.8	43.4
210	28.5	29.6	30.7	31.8	33.9	35.8	37.3	38.5	39.5	40.4	41.1	41.8	42.4	43.0
220	28.3	29.4	30.5	31.6	33.6	35.5	37.0	38.3	39.3	40.1	40.8	41.4	42.0	42.6
230	28.3	29.3	30.3	31.3	33.4	35.3	36.8	38.0	39.0	39.8	40.5	41.1	41.7	42.2
240	27.8	28.9	30.0	31.1	33.2	35.1	36.6	37.8	38.7	39.5	40.2	40.8	41.4	41.9
250	27.6	28.7	29.8	30.9	33.0	34.8	36.3	37.5	38.5	39.3	40.0	40.5	41.1	41.6
260	27.5	28.7	29.7	30.7	32.8	34.6	36.1	37.3	38.3	39.1	39.7	40.3	40.8	41.3
270	27.3	28.4	29.5	30.6	32.6	34.4	35.9	37.1	38.1	38.8	39.5	40.0	40.5	41.0
280	27.1	28.2	29.3	30.4	32.4	34.3	35.7	36.9	37.9	38.6	39.3	39.8	40.3	40.7
290	26.9	28.0	29.1	30.2	32.2	34.1	35.6	36.7	37.7	38.4	39.0	39.6	40.0	40.4
300	26.8	28.0	29.0	30.0	32.1	33.9	35.4	36.5	37.5	38.2	38.8	39.3	39.8	40.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 23. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	38.4	39.8	41.2	42.6	45.0	47.2	49.1	50.7	52.1	53.3	54.5	55.5	56.5	57.4
30	36.6	38.0	39.4	40.8	43.2	45.4	47.2	48.9	50.3	51.5	52.7	53.7	54.7	55.7
40	35.5	36.8	38.1	39.4	41.8	43.9	45.8	47.4	48.7	50.0	51.1	52.2	53.2	54.1
50	34.8	36.0	37.2	38.4	40.7	42.9	44.7	46.2	47.6	48.8	49.9	50.9	51.9	52.9
60	33.6	34.9	36.2	37.5	39.7	41.9	43.6	45.2	46.5	47.7	48.8	49.9	50.8	51.8
70	33.1	34.3	35.5	36.7	39.0	41.1	42.8	44.3	45.7	46.8	47.9	48.9	49.9	50.8
80	32.4	33.6	34.8	36.0	38.3	40.3	42.1	43.6	44.9	46.0	47.1	48.1	49.0	49.9
90	31.8	33.0	34.2	35.4	37.7	39.7	41.4	42.9	44.2	45.3	46.3	47.3	48.2	49.1
100	31.3	32.5	33.7	34.9	37.1	39.1	40.8	42.2	43.5	44.6	45.6	46.5	47.4	48.3
110	30.8	32.0	33.2	34.4	36.6	38.6	40.2	41.7	42.9	43.9	44.9	45.8	46.7	47.5
120	30.3	31.5	32.7	33.9	36.1	38.1	39.7	41.1	42.3	43.3	44.3	45.2	46.0	46.8
130	29.9	31.1	32.3	33.5	35.6	37.6	39.2	40.6	41.8	42.8	43.7	44.5	45.4	46.2
140	29.5	30.7	31.9	33.1	35.2	37.2	38.8	40.2	41.3	42.3	43.2	44.0	44.8	45.5
150	29.4	30.5	31.6	32.7	34.9	36.8	38.4	39.7	40.8	41.8	42.7	43.5	44.2	45.0
160	29.1	30.2	31.3	32.4	34.5	36.4	38.0	39.3	40.4	41.4	42.2	43.0	43.7	44.4
170	28.5	29.7	30.9	32.1	34.2	36.1	37.7	39.0	40.0	41.0	41.8	42.5	43.2	43.9
180	28.5	29.6	30.7	31.8	33.9	35.8	37.3	38.6	39.7	40.6	41.4	42.1	42.8	43.4
190	28.2	29.3	30.4	31.5	33.6	35.5	37.0	38.3	39.3	40.2	41.0	41.7	42.3	43.0
200	27.9	29.0	30.1	31.2	33.3	35.2	36.7	38.0	39.0	39.9	40.6	41.3	41.9	42.5
210	27.7	28.8	29.9	31.0	33.1	34.9	36.5	37.7	38.7	39.6	40.3	41.0	41.6	42.1
220	27.5	28.6	29.7	30.8	32.8	34.7	36.2	37.4	38.4	39.3	40.0	40.6	41.2	41.8
230	27.2	28.3	29.4	30.5	32.6	34.5	36.0	37.2	38.2	39.0	39.7	40.3	40.9	41.4
240	27.0	28.1	29.2	30.3	32.4	34.2	35.7	36.9	37.9	38.7	39.4	40.0	40.6	41.1
250	26.8	27.9	29.0	30.1	32.2	34.0	35.5	36.7	37.7	38.5	39.2	39.7	40.3	40.8
260	26.6	27.7	28.8	29.9	32.0	33.8	35.3	36.5	37.5	38.2	38.9	39.5	40.0	40.5
270	26.4	27.5	28.6	29.7	31.8	33.6	35.1	36.3	37.2	38.0	38.7	39.2	39.7	40.2
280	26.3	27.5	28.5	29.5	31.6	33.4	34.9	36.1	37.0	37.8	38.4	39.0	39.5	39.9
290	26.1	27.2	28.3	29.4	31.4	33.2	34.7	35.9	36.8	37.6	38.2	38.8	39.2	39.7
300	25.9	27.0	28.1	29.2	31.2	33.1	34.5	35.7	36.6	37.4	38.0	38.5	39.0	39.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 24. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	37.0	38.4	39.8	41.2	43.5	45.7	47.6	49.2	50.6	51.8	52.9	53.9	54.8	55.7
30	35.9	37.2	38.5	39.8	42.1	44.3	46.1	47.7	49.1	50.3	51.4	52.4	53.4	54.3
40	34.6	35.9	37.2	38.5	40.8	43.0	44.8	46.3	47.7	48.9	50.0	51.0	52.0	52.9
50	33.5	34.8	36.1	37.4	39.7	41.8	43.6	45.1	46.4	47.6	48.7	49.7	50.6	51.5
60	32.9	34.1	35.3	36.5	38.8	40.8	42.6	44.1	45.4	46.6	47.6	48.6	49.5	50.4
70	31.9	33.2	34.5	35.8	38.0	40.1	41.8	43.3	44.6	45.7	46.7	47.7	48.6	49.5
80	31.5	32.7	33.9	35.1	37.3	39.4	41.1	42.5	43.8	44.9	45.9	46.9	47.8	48.6
90	30.9	32.1	33.3	34.5	36.7	38.8	40.5	41.9	43.1	44.2	45.2	46.1	47.0	47.8
100	30.4	31.6	32.8	34.0	36.2	38.2	39.9	41.3	42.5	43.5	44.5	45.4	46.3	47.1
110	29.9	31.1	32.3	33.5	35.7	37.7	39.3	40.7	41.9	42.9	43.9	44.7	45.6	46.4
120	29.5	30.7	31.9	33.1	35.2	37.2	38.8	40.2	41.3	42.3	43.3	44.1	44.9	45.7
130	29.3	30.4	31.5	32.6	34.8	36.7	38.4	39.7	40.8	41.8	42.7	43.5	44.3	45.0
140	28.7	29.9	31.1	32.3	34.4	36.3	37.9	39.3	40.4	41.3	42.2	43.0	43.7	44.5
150	28.6	29.7	30.8	31.9	34.0	36.0	37.5	38.8	39.9	40.9	41.7	42.5	43.2	43.9
160	28.0	29.2	30.4	31.6	33.7	35.6	37.2	38.5	39.5	40.5	41.3	42.0	42.7	43.4
170	27.7	28.9	30.1	31.3	33.4	35.3	36.8	38.1	39.2	40.1	40.9	41.6	42.2	42.9
180	27.4	28.6	29.8	31.0	33.1	35.0	36.5	37.8	38.8	39.7	40.5	41.2	41.8	42.4
190	27.4	28.5	29.6	30.7	32.8	34.7	36.2	37.5	38.5	39.3	40.1	40.8	41.4	42.0
200	27.1	28.2	29.3	30.4	32.5	34.4	35.9	37.2	38.2	39.0	39.8	40.4	41.0	41.6
210	26.9	28.0	29.1	30.2	32.3	34.1	35.7	36.9	37.9	38.7	39.4	40.1	40.7	41.2
220	26.6	27.7	28.8	29.9	32.0	33.9	35.4	36.6	37.6	38.4	39.1	39.8	40.3	40.9
230	26.4	27.5	28.6	29.7	31.8	33.6	35.1	36.4	37.3	38.2	38.8	39.5	40.0	40.5
240	26.2	27.3	28.4	29.5	31.6	33.4	34.9	36.1	37.1	37.9	38.6	39.2	39.7	40.2
250	26.0	27.1	28.2	29.3	31.3	33.2	34.7	35.9	36.9	37.6	38.3	38.9	39.4	39.9
260	25.8	26.9	28.0	29.1	31.1	33.0	34.5	35.7	36.6	37.4	38.1	38.6	39.1	39.6
270	25.6	26.7	27.8	28.9	31.0	32.8	34.3	35.5	36.4	37.2	37.8	38.4	38.9	39.3
280	25.4	26.5	27.6	28.7	30.8	32.6	34.1	35.3	36.2	37.0	37.6	38.1	38.6	39.0
290	25.3	26.4	27.5	28.6	30.6	32.4	33.9	35.1	36.0	36.8	37.4	37.9	38.4	38.8
300	25.1	26.2	27.3	28.4	30.4	32.3	33.7	34.9	35.8	36.6	37.2	37.7	38.2	38.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 25. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	35.9	37.3	38.7	40.1	42.4	44.6	46.5	48.1	49.5	50.7	51.8	52.8	53.7	54.6
30	35.0	36.3	37.6	38.9	41.2	43.4	45.2	46.8	48.1	49.3	50.4	51.3	52.3	53.1
40	33.8	35.1	36.4	37.7	40.0	42.2	44.0	45.5	46.8	48.0	49.1	50.1	51.0	51.9
50	32.7	34.0	35.3	36.6	38.9	41.0	42.7	44.2	45.5	46.7	47.7	48.7	49.7	50.5
60	32.1	33.3	34.5	35.7	38.0	40.0	41.8	43.2	44.5	45.7	46.7	47.7	48.6	49.5
70	31.4	32.6	33.8	35.0	37.2	39.3	41.0	42.4	43.7	44.8	45.8	46.8	47.7	48.6
80	30.5	31.8	33.1	34.4	36.6	38.6	40.3	41.8	43.0	44.1	45.1	46.0	46.9	47.8
90	30.2	31.4	32.6	33.8	36.0	38.0	39.7	41.1	42.3	43.4	44.4	45.3	46.2	47.0
100	29.7	30.9	32.1	33.3	35.5	37.5	39.1	40.5	41.7	42.8	43.8	44.7	45.5	46.3
110	29.2	30.4	31.6	32.8	35.0	37.0	38.6	40.0	41.2	42.2	43.1	44.0	44.8	45.6
120	29.0	30.1	31.2	32.3	34.5	36.5	38.1	39.5	40.7	41.7	42.6	43.4	44.2	45.0
130	28.6	29.7	30.8	31.9	34.1	36.0	37.7	39.0	40.2	41.2	42.1	42.9	43.7	44.4
140	28.2	29.3	30.4	31.5	33.7	35.6	37.2	38.6	39.7	40.7	41.6	42.4	43.1	43.8
150	27.6	28.8	30.0	31.2	33.3	35.3	36.9	38.2	39.3	40.2	41.1	41.9	42.6	43.3
160	27.3	28.5	29.7	30.9	33.0	34.9	36.5	37.8	38.9	39.8	40.7	41.4	42.1	42.8
170	27.2	28.3	29.4	30.5	32.7	34.6	36.1	37.4	38.5	39.4	40.2	41.0	41.7	42.4
180	26.7	27.9	29.1	30.3	32.4	34.3	35.8	37.1	38.2	39.1	39.9	40.6	41.3	41.9
190	26.7	27.8	28.9	30.0	32.1	34.0	35.5	36.8	37.8	38.7	39.5	40.2	40.9	41.5
200	26.4	27.5	28.6	29.7	31.8	33.7	35.2	36.5	37.5	38.4	39.2	39.9	40.5	41.1
210	25.9	27.1	28.3	29.5	31.5	33.4	35.0	36.2	37.2	38.1	38.9	39.5	40.1	40.7
220	25.9	27.0	28.1	29.2	31.3	33.2	34.7	35.9	37.0	37.8	38.5	39.2	39.8	40.4
230	25.7	26.8	27.9	29.0	31.1	32.9	34.5	35.7	36.7	37.5	38.3	38.9	39.5	40.0
240	25.5	26.6	27.7	28.8	30.8	32.7	34.2	35.5	36.4	37.3	38.0	38.6	39.2	39.7
250	25.3	26.4	27.5	28.6	30.6	32.5	34.0	35.2	36.2	37.0	37.7	38.3	38.9	39.4
260	25.1	26.2	27.3	28.4	30.4	32.3	33.8	35.0	36.0	36.8	37.5	38.1	38.6	39.1
270	24.9	26.0	27.1	28.2	30.2	32.1	33.6	34.8	35.8	36.6	37.2	37.8	38.3	38.8
280	24.7	25.8	26.9	28.0	30.1	31.9	33.4	34.6	35.6	36.3	37.0	37.6	38.1	38.6
290	24.5	25.6	26.7	27.8	29.9	31.7	33.2	34.4	35.4	36.1	36.8	37.3	37.8	38.3
300	24.6	25.6	26.6	27.6	29.7	31.5	33.0	34.2	35.2	35.9	36.6	37.1	37.6	38.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 26. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	35.5	36.8	38.1	39.4	41.7	43.9	45.7	47.2	48.5	49.7	50.7	51.7	52.6	53.4
30	34.1	35.4	36.7	38.0	40.3	42.4	44.2	45.7	47.0	48.2	49.2	50.2	51.1	51.9
40	33.1	34.4	35.7	37.0	39.3	41.4	43.2	44.7	46.0	47.2	48.2	49.2	50.1	50.9
50	32.0	33.3	34.6	35.9	38.1	40.2	42.0	43.4	44.7	45.8	46.9	47.8	48.7	49.6
60	31.1	32.4	33.7	35.0	37.2	39.2	41.0	42.4	43.7	44.8	45.8	46.7	47.6	48.5
70	30.6	31.8	33.0	34.2	36.4	38.5	40.2	41.6	42.9	43.9	44.9	45.9	46.7	47.6
80	30.0	31.2	32.4	33.6	35.8	37.8	39.5	40.9	42.1	43.2	44.2	45.1	45.9	46.8
90	29.4	30.6	31.8	33.0	35.2	37.2	38.9	40.3	41.5	42.5	43.5	44.4	45.2	46.0
100	28.9	30.1	31.3	32.5	34.7	36.7	38.3	39.7	40.9	41.9	42.9	43.7	44.6	45.3
110	28.7	29.8	30.9	32.0	34.2	36.2	37.8	39.2	40.3	41.4	42.3	43.1	43.9	44.7
120	28.0	29.2	30.4	31.6	33.8	35.7	37.3	38.7	39.8	40.8	41.7	42.5	43.3	44.1
130	27.6	28.8	30.0	31.2	33.3	35.3	36.9	38.2	39.4	40.3	41.2	42.0	42.8	43.5
140	27.5	28.6	29.7	30.8	32.9	34.9	36.5	37.8	38.9	39.9	40.7	41.5	42.2	42.9
150	26.9	28.1	29.3	30.5	32.6	34.5	36.1	37.4	38.5	39.4	40.3	41.0	41.7	42.4
160	26.8	27.9	29.0	30.1	32.2	34.2	35.7	37.0	38.1	39.0	39.8	40.6	41.3	41.9
170	26.5	27.6	28.7	29.8	31.9	33.8	35.4	36.7	37.7	38.6	39.4	40.2	40.8	41.5
180	26.2	27.3	28.4	29.5	31.6	33.5	35.1	36.4	37.4	38.3	39.1	39.8	40.4	41.1
190	26.0	27.1	28.2	29.3	31.4	33.3	34.8	36.1	37.1	38.0	38.7	39.4	40.1	40.7
200	25.7	26.8	27.9	29.0	31.1	33.0	34.5	35.8	36.8	37.7	38.4	39.1	39.7	40.3
210	25.5	26.6	27.7	28.8	30.8	32.7	34.3	35.5	36.5	37.4	38.1	38.8	39.4	39.9
220	25.2	26.3	27.4	28.5	30.6	32.5	34.0	35.2	36.2	37.1	37.8	38.5	39.0	39.6
230	25.0	26.1	27.2	28.3	30.4	32.2	33.8	35.0	36.0	36.8	37.5	38.2	38.7	39.3
240	24.8	25.9	27.0	28.1	30.2	32.0	33.5	34.8	35.7	36.6	37.3	37.9	38.4	39.0
250	24.6	25.7	26.8	27.9	29.9	31.8	33.3	34.5	35.5	36.3	37.0	37.6	38.2	38.7
260	24.4	25.5	26.6	27.7	29.7	31.6	33.1	34.3	35.3	36.1	36.8	37.4	37.9	38.4
270	24.2	25.3	26.4	27.5	29.5	31.4	32.9	34.1	35.1	35.9	36.5	37.1	37.6	38.1
280	24.0	25.1	26.2	27.3	29.4	31.2	32.7	33.9	34.9	35.6	36.3	36.9	37.4	37.8
290	23.8	24.9	26.0	27.1	29.2	31.0	32.5	33.7	34.7	35.4	36.1	36.6	37.1	37.6
300	23.7	24.8	25.9	27.0	29.0	30.9	32.3	33.5	34.5	35.2	35.9	36.4	36.9	37.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 27. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	34.4	35.8	37.2	38.6	40.9	43.0	44.8	46.3	47.6	48.7	49.7	50.6	51.5	52.3
30	33.4	34.7	36.0	37.3	39.6	41.7	43.5	45.0	46.2	47.4	48.4	49.3	50.2	51.0
40	32.4	33.7	35.0	36.3	38.5	40.6	42.4	43.9	45.2	46.3	47.3	48.3	49.2	50.0
50	31.4	32.7	34.0	35.3	37.5	39.6	41.4	42.9	44.2	45.3	46.3	47.2	48.1	49.0
60	30.5	31.8	33.1	34.4	36.6	38.7	40.4	41.9	43.1	44.2	45.2	46.1	47.0	47.8
70	30.0	31.2	32.4	33.6	35.8	37.8	39.5	41.0	42.2	43.3	44.2	45.1	46.0	46.8
80	29.1	30.4	31.7	33.0	35.1	37.2	38.8	40.2	41.4	42.5	43.4	44.3	45.1	45.9
90	28.8	30.0	31.2	32.4	34.6	36.6	38.2	39.6	40.8	41.8	42.8	43.6	44.4	45.2
100	28.3	29.5	30.7	31.9	34.0	36.0	37.7	39.0	40.2	41.2	42.1	43.0	43.8	44.5
110	27.8	29.0	30.2	31.4	33.6	35.5	37.2	38.5	39.7	40.7	41.6	42.4	43.2	43.9
120	27.4	28.6	29.8	31.0	33.1	35.1	36.7	38.0	39.2	40.2	41.0	41.9	42.6	43.3
130	27.0	28.2	29.4	30.6	32.7	34.7	36.3	37.6	38.7	39.7	40.5	41.3	42.1	42.8
140	26.6	27.8	29.0	30.2	32.3	34.3	35.9	37.2	38.3	39.2	40.1	40.8	41.6	42.3
150	26.5	27.6	28.7	29.8	32.0	33.9	35.5	36.8	37.9	38.8	39.6	40.4	41.1	41.8
160	26.2	27.3	28.4	29.5	31.6	33.5	35.1	36.4	37.5	38.4	39.2	40.0	40.7	41.3
170	25.9	27.0	28.1	29.2	31.3	33.2	34.8	36.1	37.1	38.1	38.9	39.6	40.2	40.9
180	25.6	26.7	27.8	28.9	31.0	32.9	34.5	35.8	36.8	37.7	38.5	39.2	39.9	40.5
190	25.3	26.4	27.5	28.6	30.7	32.6	34.2	35.5	36.5	37.4	38.2	38.9	39.5	40.1
200	25.1	26.2	27.3	28.4	30.5	32.4	33.9	35.2	36.2	37.1	37.8	38.5	39.2	39.8
210	24.8	25.9	27.0	28.1	30.2	32.1	33.7	34.9	35.9	36.8	37.5	38.2	38.8	39.4
220	24.6	25.7	26.8	27.9	30.0	31.9	33.4	34.6	35.7	36.5	37.3	37.9	38.5	39.1
230	24.4	25.5	26.6	27.7	29.8	31.6	33.2	34.4	35.4	36.2	37.0	37.6	38.2	38.8
240	24.2	25.3	26.4	27.5	29.5	31.4	32.9	34.2	35.2	36.0	36.7	37.4	37.9	38.5
250	23.7	24.9	26.1	27.3	29.3	31.2	32.7	33.9	34.9	35.8	36.5	37.1	37.7	38.2
260	23.5	24.7	25.9	27.1	29.1	31.0	32.5	33.7	34.7	35.5	36.2	36.8	37.4	37.9
270	23.5	24.7	25.8	26.9	28.9	30.8	32.3	33.5	34.5	35.3	36.0	36.6	37.1	37.7
280	23.4	24.5	25.6	26.7	28.7	30.6	32.1	33.3	34.3	35.1	35.8	36.4	36.9	37.4
290	23.2	24.3	25.4	26.5	28.5	30.4	31.9	33.1	34.1	34.9	35.5	36.1	36.7	37.1
300	23.0	24.1	25.2	26.3	28.4	30.2	31.7	32.9	33.9	34.7	35.3	35.9	36.4	36.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 28. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	33.4	34.8	36.2	37.6	39.9	42.1	43.9	45.5	46.8	48.0	49.1	50.0	50.9	51.8
30	32.8	34.1	35.4	36.7	39.0	41.1	42.9	44.4	45.7	46.8	47.9	48.8	49.7	50.5
40	31.7	33.0	34.3	35.6	37.8	39.9	41.7	43.2	44.4	45.6	46.6	47.5	48.4	49.2
50	30.8	32.1	33.4	34.7	37.0	39.1	40.8	42.3	43.6	44.7	45.7	46.6	47.5	48.3
60	30.0	31.3	32.6	33.9	36.1	38.2	39.9	41.4	42.6	43.7	44.7	45.7	46.5	47.4
70	29.5	30.7	31.9	33.1	35.3	37.4	39.1	40.5	41.8	42.8	43.8	44.7	45.6	46.4
80	28.8	30.0	31.2	32.4	34.7	36.7	38.4	39.8	41.0	42.1	43.0	43.9	44.8	45.6
90	28.3	29.5	30.7	31.9	34.1	36.1	37.8	39.2	40.4	41.4	42.4	43.2	44.1	44.9
100	27.8	29.0	30.2	31.4	33.5	35.5	37.2	38.6	39.8	40.8	41.8	42.6	43.4	44.2
110	27.3	28.5	29.7	30.9	33.1	35.0	36.7	38.1	39.2	40.3	41.2	42.0	42.8	43.6
120	26.9	28.1	29.3	30.5	32.6	34.6	36.2	37.6	38.7	39.8	40.7	41.5	42.3	43.0
130	26.5	27.7	28.9	30.1	32.2	34.2	35.8	37.1	38.3	39.3	40.2	41.0	41.7	42.5
140	26.1	27.3	28.5	29.7	31.8	33.8	35.4	36.7	37.8	38.8	39.7	40.5	41.2	41.9
150	26.0	27.1	28.2	29.3	31.5	33.4	35.0	36.3	37.4	38.4	39.2	40.0	40.7	41.5
160	25.4	26.6	27.8	29.0	31.1	33.1	34.6	36.0	37.1	38.0	38.8	39.6	40.3	41.0
170	25.1	26.3	27.5	28.7	30.8	32.7	34.3	35.6	36.7	37.6	38.4	39.2	39.9	40.6
180	25.1	26.2	27.3	28.4	30.5	32.4	34.0	35.3	36.4	37.3	38.1	38.8	39.5	40.2
190	24.8	25.9	27.0	28.1	30.2	32.1	33.7	35.0	36.0	36.9	37.7	38.4	39.1	39.8
200	24.5	25.6	26.7	27.8	29.9	31.8	33.4	34.7	35.7	36.6	37.4	38.1	38.8	39.4
210	24.3	25.4	26.5	27.6	29.7	31.6	33.1	34.4	35.4	36.3	37.1	37.8	38.4	39.1
220	24.0	25.1	26.2	27.3	29.4	31.3	32.9	34.1	35.2	36.0	36.8	37.5	38.1	38.7
230	23.8	24.9	26.0	27.1	29.2	31.1	32.6	33.9	34.9	35.8	36.5	37.2	37.8	38.4
240	23.6	24.7	25.8	26.9	29.0	30.9	32.4	33.6	34.7	35.5	36.3	36.9	37.5	38.1
250	23.4	24.5	25.6	26.7	28.8	30.6	32.2	33.4	34.4	35.3	36.0	36.7	37.3	37.8
260	23.2	24.3	25.4	26.5	28.6	30.4	32.0	33.2	34.2	35.1	35.8	36.4	37.0	37.6
270	23.0	24.1	25.2	26.3	28.4	30.2	31.8	33.0	34.0	34.8	35.5	36.2	36.8	37.3
280	22.8	23.9	25.0	26.1	28.2	30.0	31.5	32.8	33.8	34.6	35.3	35.9	36.5	37.0
290	22.6	23.7	24.8	25.9	28.0	29.8	31.4	32.6	33.6	34.4	35.1	35.7	36.3	36.8
300	22.4	23.5	24.6	25.7	27.8	29.7	31.2	32.4	33.4	34.2	34.9	35.5	36.0	36.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 29. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	60.4	61.2	62.0	62.8	63.6	64.4	65.4	66.5	67.7	68.7	69.7	70.7	71.6	72.5
30	59.1	59.8	60.5	61.2	61.9	62.6	63.6	64.6	65.7	66.7	67.7	68.6	69.4	70.2
40	58.6	59.3	60.0	60.7	61.4	62.1	63.1	64.2	65.3	66.3	67.3	68.2	69.1	69.9
50	57.7	58.5	59.3	60.1	60.9	61.7	62.8	63.9	65.0	66.0	67.0	68.0	68.8	69.7
60	57.3	58.1	58.9	59.7	60.5	61.3	62.3	63.5	64.6	65.7	66.7	67.6	68.5	69.4
70	56.8	57.6	58.4	59.2	60.0	60.8	61.9	63.0	64.2	65.2	66.3	67.2	68.1	69.0
80	55.9	56.8	57.7	58.6	59.5	60.4	61.4	62.6	63.7	64.8	65.8	66.8	67.7	68.6
90	55.9	56.7	57.5	58.3	59.1	59.9	61.0	62.2	63.3	64.4	65.4	66.4	67.3	68.2
100	55.5	56.3	57.1	57.9	58.7	59.5	60.6	61.8	62.9	64.0	65.0	66.0	66.9	67.8
110	55.1	55.9	56.7	57.5	58.3	59.1	60.2	61.4	62.5	63.6	64.6	65.6	66.5	67.4
120	54.7	55.5	56.3	57.1	57.9	58.7	59.8	61.0	62.1	63.2	64.3	65.2	66.1	67.0
130	54.4	55.2	56.0	56.8	57.6	58.4	59.5	60.6	61.8	62.9	63.9	64.9	65.8	66.6
140	54.0	54.8	55.6	56.4	57.2	58.0	59.1	60.3	61.4	62.5	63.6	64.5	65.4	66.3
150	53.7	54.5	55.3	56.1	56.9	57.7	58.8	60.0	61.1	62.2	63.2	64.2	65.1	66.0
160	53.4	54.2	55.0	55.8	56.6	57.4	58.5	59.7	60.8	61.9	62.9	63.9	64.8	65.7
170	53.1	53.9	54.7	55.5	56.3	57.1	58.2	59.4	60.5	61.6	62.6	63.6	64.5	65.4
180	52.8	53.6	54.4	55.2	56.0	56.8	57.9	59.1	60.2	61.3	62.3	63.3	64.2	65.1
190	52.1	53.0	53.9	54.8	55.7	56.6	57.6	58.8	59.9	61.0	62.1	63.0	63.9	64.8
200	52.1	52.9	53.9	54.7	55.5	56.3	57.4	58.5	59.7	60.8	61.8	62.8	63.7	64.5
210	52.0	52.8	53.6	54.4	55.2	56.0	57.1	58.3	59.4	60.5	61.5	62.5	63.4	64.3
220	51.8	52.6	53.4	54.2	55.0	55.8	56.9	58.0	59.2	60.3	61.3	62.3	63.2	64.0
230	51.6	52.4	53.2	54.0	54.8	55.6	56.7	57.8	58.9	60.0	61.0	62.0	62.9	63.8
240	51.3	52.1	52.9	53.7	54.5	55.3	56.4	57.6	58.7	59.8	60.8	61.8	62.7	63.5
250	51.1	51.9	52.7	53.5	54.3	55.1	56.2	57.4	58.5	59.6	60.6	61.6	62.5	63.3
260	50.9	51.7	52.5	53.3	54.1	54.9	56.0	57.1	58.3	59.4	60.4	61.3	62.2	63.1
270	50.7	51.5	52.3	53.1	53.9	54.7	55.8	56.9	58.1	59.1	60.2	61.1	62.0	62.9
280	50.5	51.3	52.1	52.9	53.7	54.5	55.6	56.7	57.9	58.9	60.0	60.9	61.8	62.7
290	50.3	51.1	51.9	52.7	53.5	54.3	55.4	56.5	57.7	58.7	59.8	60.7	61.6	62.5
300	50.1	50.9	51.7	52.5	53.3	54.1	55.2	56.3	57.5	58.5	59.6	60.5	61.4	62.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 30. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	58.8	59.5	60.2	60.9	61.6	62.3	63.3	64.4	65.5	66.5	67.5	68.4	69.3	70.1
30	57.0	57.6	58.2	58.8	59.4	60.0	60.9	61.9	62.9	63.8	64.7	65.6	66.4	67.2
40	56.0	56.7	57.4	58.1	58.8	59.5	60.4	61.4	62.4	63.3	64.3	65.1	65.9	66.7
50	55.7	56.4	57.1	57.8	58.5	59.2	60.1	61.1	62.2	63.2	64.1	65.0	65.8	66.6
60	55.3	56.0	56.7	57.4	58.1	58.8	59.8	60.8	61.9	62.9	63.8	64.7	65.6	66.4
70	54.9	55.6	56.3	57.0	57.7	58.4	59.4	60.5	61.6	62.6	63.5	64.4	65.3	66.1
80	54.5	55.2	55.9	56.6	57.3	58.0	59.0	60.1	61.2	62.2	63.2	64.1	65.0	65.8
90	54.1	54.8	55.5	56.2	56.9	57.6	58.6	59.7	60.8	61.8	62.8	63.7	64.6	65.4
100	53.7	54.4	55.1	55.8	56.5	57.2	58.3	59.4	60.4	61.5	62.5	63.4	64.3	65.1
110	52.9	53.7	54.5	55.3	56.1	56.9	57.9	59.0	60.1	61.1	62.1	63.0	63.9	64.7
120	52.6	53.7	54.4	55.1	55.8	56.5	57.5	58.6	59.7	60.8	61.8	62.7	63.6	64.4
130	52.2	53.0	53.8	54.6	55.4	56.2	57.2	58.3	59.4	60.4	61.4	62.4	63.2	64.1
140	52.1	53.0	53.7	54.4	55.1	55.8	56.9	58.0	59.1	60.1	61.1	62.0	62.9	63.7
150	52.0	52.7	53.4	54.1	54.8	55.5	56.6	57.7	58.8	59.8	60.8	61.7	62.6	63.4
160	51.7	52.4	53.1	53.8	54.5	55.2	56.3	57.4	58.5	59.5	60.5	61.4	62.3	63.1
170	51.0	51.8	52.6	53.4	54.2	55.0	56.0	57.1	58.2	59.2	60.2	61.1	62.0	62.8
180	50.7	51.5	52.3	53.1	53.9	54.7	55.7	56.8	57.9	58.9	59.9	60.8	61.7	62.6
190	50.6	51.3	52.3	53.0	53.7	54.4	55.4	56.5	57.6	58.7	59.7	60.6	61.5	62.3
200	50.2	51.0	51.8	52.6	53.4	54.2	55.2	56.3	57.4	58.4	59.4	60.3	61.2	62.0
210	50.0	50.8	51.8	52.5	53.2	53.9	54.9	56.0	57.1	58.2	59.1	60.1	60.9	61.8
220	49.7	50.5	51.3	52.1	52.9	53.7	54.7	55.8	56.9	57.9	58.9	59.8	60.7	61.5
230	49.5	50.3	51.1	51.9	52.7	53.5	54.5	55.6	56.7	57.7	58.7	59.6	60.5	61.3
240	49.5	50.3	51.1	51.8	52.5	53.2	54.3	55.3	56.4	57.5	58.4	59.4	60.2	61.1
250	49.5	50.2	50.9	51.6	52.3	53.0	54.0	55.1	56.2	57.2	58.2	59.1	60.0	60.8
260	49.3	50.0	50.7	51.4	52.1	52.8	53.8	54.9	56.0	57.0	58.0	58.9	59.8	60.6
270	49.1	49.8	50.5	51.2	51.9	52.6	53.6	54.7	55.8	56.8	57.8	58.7	59.6	60.4
280	48.9	49.6	50.3	51.0	51.7	52.4	53.4	54.5	55.6	56.6	57.6	58.5	59.4	60.2
290	48.7	49.4	50.1	50.8	51.5	52.2	53.2	54.3	55.4	56.4	57.4	58.3	59.2	60.0
300	48.5	49.2	49.9	50.6	51.3	52.0	53.0	54.1	55.2	56.2	57.2	58.1	59.0	59.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 31. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	57.2	57.8	58.4	59.0	59.6	60.2	61.1	62.1	63.1	64.1	65.0	65.9	66.8	67.6
30	55.2	55.8	56.4	57.0	57.6	58.2	59.0	59.9	60.9	61.8	62.7	63.5	64.3	65.1
40	54.9	55.4	55.9	56.4	56.9	57.4	58.2	59.2	60.1	61.0	61.9	62.7	63.5	64.2
50	54.0	54.6	55.2	55.8	56.4	57.0	57.9	58.8	59.8	60.7	61.6	62.4	63.2	63.9
60	53.6	54.2	54.8	55.4	56.0	56.6	57.5	58.5	59.4	60.4	61.3	62.1	62.9	63.7
70	53.2	53.8	54.4	55.0	55.6	56.2	57.1	58.1	59.1	60.1	61.0	61.8	62.6	63.4
80	52.8	53.4	54.0	54.6	55.2	55.8	56.8	57.8	58.8	59.7	60.6	61.5	62.3	63.1
90	52.0	52.7	53.4	54.1	54.8	55.5	56.4	57.4	58.4	59.4	60.3	61.2	62.0	62.8
100	51.6	52.3	53.0	53.7	54.4	55.1	56.0	57.0	58.1	59.0	60.0	60.8	61.7	62.4
110	51.3	52.3	52.9	53.5	54.1	54.7	55.7	56.7	57.7	58.7	59.6	60.5	61.3	62.1
120	50.9	51.6	52.3	53.0	53.7	54.4	55.3	56.4	57.4	58.4	59.3	60.2	61.0	61.8
130	50.6	51.3	52.0	52.7	53.4	54.1	55.0	56.0	57.1	58.0	59.0	59.8	60.7	61.5
140	50.5	51.3	51.9	52.5	53.1	53.7	54.7	55.7	56.7	57.7	58.7	59.5	60.4	61.2
150	50.4	51.0	51.6	52.2	52.8	53.4	54.4	55.4	56.4	57.4	58.3	59.2	60.1	60.9
160	50.1	50.7	51.3	51.9	52.5	53.1	54.1	55.1	56.1	57.1	58.1	58.9	59.8	60.6
170	49.4	50.1	50.8	51.5	52.2	52.9	53.8	54.8	55.9	56.8	57.8	58.7	59.5	60.3
180	49.1	49.8	50.5	51.2	51.9	52.6	53.5	54.6	55.6	56.6	57.5	58.4	59.2	60.0
190	48.9	49.7	50.5	51.1	51.7	52.3	53.3	54.3	55.3	56.3	57.2	58.1	59.0	59.7
200	48.6	49.3	50.0	50.7	51.4	52.1	53.0	54.1	55.1	56.1	57.0	57.9	58.7	59.5
210	48.4	49.3	50.0	50.6	51.2	51.8	52.8	53.8	54.8	55.8	56.7	57.6	58.4	59.2
220	48.2	49.2	49.8	50.4	51.0	51.6	52.5	53.6	54.6	55.6	56.5	57.4	58.2	59.0
230	47.9	48.6	49.3	50.0	50.7	51.4	52.3	53.3	54.4	55.3	56.3	57.1	58.0	58.8
240	47.7	48.4	49.1	49.8	50.5	51.2	52.1	53.1	54.1	55.1	56.0	56.9	57.7	58.5
250	47.7	48.4	49.1	49.7	50.3	50.9	51.9	52.9	53.9	54.9	55.8	56.7	57.5	58.3
260	47.7	48.3	48.9	49.5	50.1	50.7	51.7	52.7	53.7	54.7	55.6	56.5	57.3	58.1
270	47.5	48.1	48.7	49.3	49.9	50.5	51.5	52.5	53.5	54.5	55.4	56.3	57.1	57.9
280	47.3	47.9	48.5	49.1	49.7	50.3	51.3	52.3	53.3	54.3	55.2	56.1	56.9	57.7
290	46.7	47.4	48.1	48.8	49.5	50.2	51.1	52.1	53.1	54.1	55.0	55.9	56.7	57.5
300	46.5	47.2	47.9	48.6	49.3	50.0	50.9	51.9	52.9	53.9	54.8	55.7	56.5	57.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 32. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	55.7	56.3	56.9	57.5	58.1	58.7	59.6	60.6	61.6	62.6	63.5	64.3	65.1	65.9
30	54.5	55.0	55.5	56.0	56.5	57.0	57.8	58.8	59.7	60.6	61.5	62.3	63.1	63.9
40	53.5	54.0	54.5	55.0	55.5	56.0	56.8	57.6	58.6	59.4	60.3	61.1	61.9	62.6
50	52.8	53.3	53.8	54.3	54.8	55.3	56.1	57.0	57.9	58.8	59.7	60.5	61.2	61.9
60	52.4	52.9	53.4	53.9	54.4	54.9	55.7	56.6	57.5	58.4	59.3	60.1	60.8	61.6
70	52.0	52.5	53.0	53.5	54.0	54.5	55.3	56.3	57.2	58.1	58.9	59.8	60.5	61.3
80	51.6	52.1	52.6	53.1	53.6	54.1	55.0	55.9	56.9	57.8	58.6	59.5	60.2	61.0
90	50.8	51.4	52.0	52.6	53.2	53.8	54.6	55.6	56.5	57.5	58.3	59.2	60.0	60.7
100	50.4	51.0	51.6	52.2	52.8	53.4	54.3	55.3	56.2	57.2	58.0	58.9	59.7	60.4
110	50.1	50.7	51.3	51.9	52.5	53.1	54.0	54.9	55.9	56.8	57.7	58.6	59.4	60.1
120	49.8	50.4	51.0	51.6	52.2	52.8	53.7	54.6	55.6	56.5	57.4	58.3	59.1	59.8
130	49.4	50.0	50.6	51.2	51.8	52.4	53.3	54.3	55.3	56.2	57.1	58.0	58.8	59.6
140	49.1	49.7	50.3	50.9	51.5	52.1	53.0	54.0	55.0	55.9	56.8	57.7	58.5	59.3
150	48.8	49.4	50.0	50.6	51.2	51.8	52.7	53.7	54.7	55.7	56.6	57.4	58.2	59.0
160	48.6	49.2	49.8	50.4	51.0	51.6	52.5	53.4	54.4	55.4	56.3	57.1	57.9	58.7
170	48.3	48.9	49.5	50.1	50.7	51.3	52.2	53.2	54.2	55.1	56.0	56.9	57.7	58.4
180	48.0	48.6	49.2	49.8	50.4	51.0	51.9	52.9	53.9	54.8	55.7	56.6	57.4	58.2
190	47.8	48.4	49.0	49.6	50.2	50.8	51.7	52.7	53.6	54.6	55.5	56.3	57.2	57.9
200	47.5	48.1	48.7	49.3	49.9	50.5	51.4	52.4	53.4	54.3	55.2	56.1	56.9	57.7
210	47.3	47.9	48.5	49.1	49.7	50.3	51.2	52.2	53.2	54.1	55.0	55.9	56.7	57.4
220	47.1	47.7	48.3	48.9	49.5	50.1	51.0	52.0	52.9	53.9	54.8	55.6	56.4	57.2
230	46.8	47.4	48.0	48.6	49.2	49.8	50.7	51.7	52.7	53.6	54.5	55.4	56.2	57.0
240	46.6	47.2	47.8	48.4	49.0	49.6	50.5	51.5	52.5	53.4	54.3	55.2	56.0	56.8
250	46.4	47.0	47.6	48.2	48.8	49.4	50.3	51.3	52.3	53.2	54.1	55.0	55.8	56.5
260	46.2	46.8	47.4	48.0	48.6	49.2	50.1	51.1	52.1	53.0	53.9	54.7	55.6	56.3
270	46.0	46.6	47.2	47.8	48.4	49.0	49.9	50.9	51.9	52.8	53.7	54.5	55.3	56.1
280	45.8	46.4	47.0	47.6	48.2	48.8	49.7	50.7	51.7	52.6	53.5	54.3	55.1	55.9
290	45.7	46.3	46.9	47.6	48.1	48.6	49.5	50.5	51.5	52.4	53.3	54.1	54.9	55.7
300	45.5	46.1	46.7	47.3	47.9	48.5	49.3	50.3	51.3	52.2	53.1	53.9	54.7	55.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 33. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	55.0	55.5	56.0	56.5	57.0	57.5	58.4	59.4	60.4	61.3	62.2	63.1	63.9	64.6
30	53.5	54.0	54.5	55.0	55.5	56.0	56.8	57.7	58.6	59.5	60.4	61.2	62.0	62.7
40	52.4	52.9	53.4	53.9	54.4	54.9	55.6	56.5	57.4	58.3	59.1	59.9	60.7	61.4
50	52.0	52.4	52.8	53.2	53.6	54.0	54.8	55.6	56.5	57.3	58.2	58.9	59.7	60.4
60	51.0	51.5	52.0	52.5	53.0	53.5	54.3	55.1	56.0	56.8	57.6	58.4	59.1	59.8
70	50.6	51.1	51.6	52.1	52.6	53.1	53.9	54.8	55.6	56.5	57.3	58.1	58.8	59.5
80	50.2	50.7	51.2	51.7	52.2	52.7	53.6	54.4	55.3	56.2	57.0	57.8	58.6	59.3
90	49.9	50.4	50.9	51.4	51.9	52.4	53.2	54.1	55.1	55.9	56.8	57.6	58.3	59.1
100	49.6	50.1	50.6	51.1	51.6	52.1	52.9	53.8	54.8	55.7	56.5	57.3	58.1	58.8
110	48.8	49.4	50.0	50.6	51.2	51.8	52.6	53.5	54.5	55.4	56.2	57.0	57.8	58.6
120	48.5	49.1	49.7	50.3	50.9	51.5	52.3	53.3	54.2	55.1	56.0	56.8	57.6	58.3
130	48.2	48.8	49.4	50.0	50.6	51.2	52.0	53.0	53.9	54.8	55.7	56.5	57.3	58.0
140	47.9	48.5	49.1	49.7	50.3	50.9	51.7	52.7	53.6	54.5	55.4	56.2	57.0	57.8
150	47.6	48.2	48.8	49.4	50.0	50.6	51.5	52.4	53.4	54.3	55.1	56.0	56.8	57.5
160	47.4	48.0	48.8	49.3	49.8	50.3	51.2	52.1	53.1	54.0	54.9	55.7	56.5	57.2
170	47.1	47.7	48.3	48.9	49.5	50.1	50.9	51.9	52.8	53.7	54.6	55.4	56.2	57.0
180	46.8	47.4	48.0	48.6	49.2	49.8	50.7	51.6	52.6	53.5	54.4	55.2	56.0	56.7
190	46.6	47.2	47.8	48.4	49.0	49.6	50.4	51.4	52.3	53.2	54.1	55.0	55.7	56.5
200	46.4	47.0	47.8	48.3	48.8	49.3	50.2	51.1	52.1	53.0	53.9	54.7	55.5	56.3
210	46.1	46.7	47.3	47.9	48.5	49.1	49.9	50.9	51.9	52.8	53.6	54.5	55.3	56.0
220	45.9	46.5	47.1	47.7	48.3	48.9	49.7	50.7	51.6	52.5	53.4	54.2	55.0	55.8
230	45.9	46.5	47.1	47.6	48.1	48.6	49.5	50.5	51.4	52.3	53.2	54.0	54.8	55.6
240	45.9	46.4	46.9	47.4	47.9	48.4	49.3	50.2	51.2	52.1	53.0	53.8	54.6	55.3
250	45.7	46.2	46.7	47.2	47.7	48.2	49.1	50.0	51.0	51.9	52.8	53.6	54.4	55.1
260	45.5	46.0	46.5	47.0	47.5	48.0	48.9	49.8	50.8	51.7	52.6	53.4	54.2	54.9
270	45.3	45.8	46.3	46.8	47.3	47.8	48.7	49.6	50.6	51.5	52.4	53.2	54.0	54.7
280	45.1	45.6	46.1	46.6	47.1	47.6	48.5	49.4	50.4	51.3	52.2	53.0	53.8	54.5
290	44.5	45.1	45.7	46.3	46.9	47.5	48.3	49.3	50.2	51.1	52.0	52.8	53.6	54.3
300	44.3	44.9	45.5	46.1	46.7	47.3	48.1	49.1	50.0	50.9	51.8	52.6	53.4	54.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 34. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	53.6	54.2	54.8	55.4	56.0	56.6	57.5	58.4	59.4	60.3	61.2	62.1	62.9	63.7
30	52.6	53.1	53.6	54.1	54.6	55.1	55.9	56.8	57.7	58.6	59.5	60.3	61.0	61.8
40	51.5	52.0	52.5	53.0	53.5	54.0	54.7	55.6	56.5	57.4	58.2	59.0	59.7	60.5
50	50.5	51.0	51.5	52.0	52.5	53.0	53.7	54.6	55.4	56.2	57.0	57.8	58.5	59.2
60	50.4	50.8	51.2	51.6	52.0	52.4	53.1	54.0	54.8	55.7	56.4	57.2	57.9	58.6
70	49.5	50.0	50.5	51.0	51.5	52.0	52.7	53.6	54.4	55.3	56.1	56.8	57.6	58.2
80	49.1	49.6	50.1	50.6	51.1	51.6	52.4	53.2	54.1	54.9	55.7	56.5	57.2	57.9
90	48.8	49.3	49.8	50.3	50.8	51.3	52.1	52.9	53.8	54.7	55.5	56.2	57.0	57.7
100	48.4	48.9	49.4	49.9	50.4	50.9	51.7	52.6	53.5	54.4	55.2	56.0	56.7	57.4
110	48.1	48.6	49.1	49.6	50.1	50.6	51.4	52.3	53.2	54.1	54.9	55.7	56.5	57.2
120	47.8	48.3	48.8	49.3	49.8	50.3	51.2	52.1	53.0	53.8	54.7	55.5	56.2	56.9
130	47.5	48.0	48.5	49.0	49.5	50.0	50.9	51.8	52.7	53.6	54.4	55.2	56.0	56.7
140	46.8	47.4	48.0	48.6	49.2	49.8	50.6	51.5	52.4	53.3	54.2	55.0	55.7	56.4
150	46.8	47.3	48.0	48.5	49.0	49.5	50.3	51.2	52.2	53.1	53.9	54.7	55.5	56.2
160	46.7	47.2	47.7	48.2	48.7	49.2	50.1	51.0	51.9	52.8	53.6	54.5	55.2	56.0
170	46.0	46.6	47.2	47.8	48.4	49.0	49.8	50.7	51.7	52.6	53.4	54.2	55.0	55.7
180	46.2	46.7	47.2	47.7	48.2	48.7	49.6	50.5	51.4	52.3	53.2	54.0	54.7	55.5
190	46.0	46.5	47.0	47.5	48.0	48.5	49.3	50.3	51.2	52.1	52.9	53.7	54.5	55.2
200	45.3	45.9	46.5	47.1	47.7	48.3	49.1	50.0	50.9	51.8	52.7	53.5	54.3	55.0
210	45.3	45.9	46.5	47.0	47.5	48.0	48.9	49.8	50.7	51.6	52.5	53.3	54.1	54.8
220	45.3	45.8	46.3	46.8	47.3	47.8	48.6	49.6	50.5	51.4	52.3	53.1	53.8	54.6
230	45.1	45.6	46.1	46.6	47.1	47.6	48.4	49.4	50.3	51.2	52.0	52.8	53.6	54.4
240	44.9	45.4	45.9	46.4	46.9	47.4	48.2	49.2	50.1	51.0	51.8	52.6	53.4	54.1
250	44.7	45.2	45.7	46.2	46.7	47.2	48.0	49.0	49.9	50.8	51.6	52.4	53.2	53.9
260	44.5	45.0	45.5	46.0	46.5	47.0	47.8	48.8	49.7	50.6	51.4	52.2	53.0	53.7
270	44.3	44.8	45.3	45.8	46.3	46.8	47.6	48.6	49.5	50.4	51.2	52.0	52.8	53.5
280	44.1	44.6	45.1	45.6	46.1	46.6	47.5	48.4	49.3	50.2	51.0	51.8	52.6	53.3
290	43.9	44.4	44.9	45.4	45.9	46.4	47.3	48.2	49.1	50.0	50.8	51.7	52.4	53.2
300	43.3	43.9	44.5	45.1	45.7	46.3	47.1	48.0	48.9	49.8	50.7	51.5	52.2	53.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 35. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	52.6	53.2	53.8	54.4	55.0	55.6	56.4	57.4	58.3	59.3	60.2	61.0	61.8	62.6
30	51.7	52.2	52.7	53.2	53.7	54.2	55.0	55.8	56.7	57.6	58.4	59.2	60.0	60.7
40	51.2	51.6	52.0	52.4	52.8	53.2	54.0	54.9	55.7	56.6	57.4	58.2	59.0	59.7
50	50.1	50.5	50.9	51.3	51.7	52.1	52.9	53.7	54.5	55.4	56.1	56.9	57.6	58.3
60	49.4	49.8	50.2	50.6	51.0	51.4	52.1	53.0	53.8	54.6	55.4	56.1	56.8	57.5
70	48.9	49.3	49.7	50.1	50.5	50.9	51.7	52.5	53.3	54.1	54.9	55.6	56.3	57.0
80	48.1	48.6	49.1	49.6	50.1	50.6	51.3	52.1	52.9	53.8	54.5	55.3	56.0	56.7
90	47.8	48.6	49.0	49.4	49.8	50.2	51.0	51.8	52.7	53.5	54.3	55.0	55.7	56.4
100	47.4	47.9	48.4	48.9	49.4	49.9	50.7	51.5	52.4	53.2	54.0	54.8	55.5	56.2
110	47.1	47.6	48.1	48.6	49.1	49.6	50.4	51.2	52.1	53.0	53.8	54.5	55.3	55.9
120	46.8	47.3	47.8	48.3	48.8	49.3	50.1	51.0	51.9	52.7	53.5	54.3	55.0	55.7
130	46.6	47.0	47.8	48.2	48.6	49.0	49.8	50.7	51.6	52.5	53.3	54.1	54.8	55.5
140	46.3	46.8	47.3	47.8	48.3	48.8	49.6	50.5	51.3	52.2	53.0	53.8	54.6	55.3
150	46.0	46.5	47.0	47.5	48.0	48.5	49.3	50.2	51.1	52.0	52.8	53.6	54.3	55.0
160	45.3	45.9	46.5	47.1	47.7	48.3	49.1	50.0	50.9	51.7	52.5	53.3	54.1	54.8
170	45.3	45.9	46.5	47.0	47.5	48.0	48.8	49.7	50.6	51.5	52.3	53.1	53.9	54.6
180	45.3	45.8	46.3	46.8	47.3	47.8	48.6	49.5	50.4	51.2	52.1	52.9	53.6	54.3
190	45.0	45.5	46.0	46.5	47.0	47.5	48.3	49.2	50.1	51.0	51.9	52.6	53.4	54.1
200	44.8	45.3	45.8	46.3	46.8	47.3	48.1	49.0	49.9	50.8	51.6	52.4	53.2	53.9
210	44.6	45.1	45.6	46.1	46.6	47.1	47.9	48.8	49.7	50.6	51.4	52.2	53.0	53.7
220	43.9	44.5	45.1	45.7	46.3	46.9	47.7	48.6	49.5	50.4	51.2	52.0	52.7	53.5
230	43.9	44.5	45.1	45.6	46.1	46.6	47.5	48.4	49.3	50.1	51.0	51.8	52.5	53.3
240	43.9	44.4	44.9	45.4	45.9	46.4	47.3	48.2	49.1	49.9	50.8	51.6	52.3	53.0
250	43.7	44.2	44.7	45.2	45.7	46.2	47.1	48.0	48.9	49.7	50.6	51.4	52.1	52.8
260	43.1	43.7	44.3	44.9	45.5	46.1	46.9	47.8	48.7	49.5	50.4	51.2	51.9	52.6
270	43.1	43.7	44.3	44.9	45.4	45.9	46.7	47.6	48.5	49.4	50.2	51.0	51.7	52.5
280	43.1	43.7	44.2	44.7	45.2	45.7	46.5	47.4	48.3	49.2	50.0	50.8	51.5	52.3
290	43.0	43.5	44.0	44.5	45.0	45.5	46.3	47.2	48.1	49.0	49.8	50.6	51.4	52.1
300	42.8	43.3	43.8	44.3	44.8	45.3	46.1	47.0	47.9	48.8	49.6	50.4	51.2	51.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 36. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	52.1	52.6	53.1	53.6	54.1	54.6	55.5	56.4	57.4	58.3	59.2	60.0	60.8	61.6
30	50.9	51.4	51.9	52.4	52.9	53.4	54.2	55.0	55.9	56.8	57.6	58.4	59.1	59.8
40	50.5	50.9	51.3	51.7	52.1	52.5	53.3	54.2	55.0	55.9	56.7	57.5	58.3	59.0
50	49.1	49.6	50.1	50.6	51.1	51.6	52.3	53.2	54.0	54.9	55.7	56.4	57.2	57.9
60	48.7	49.1	49.5	49.9	50.3	50.7	51.4	52.2	53.1	53.9	54.6	55.4	56.1	56.8
70	48.1	48.5	48.9	49.3	49.7	50.1	50.8	51.6	52.4	53.2	54.0	54.7	55.4	56.0
80	47.7	48.1	48.5	48.9	49.3	49.7	50.4	51.2	52.0	52.8	53.5	54.2	54.9	55.6
90	47.3	47.7	48.1	48.5	48.9	49.3	50.0	50.8	51.7	52.5	53.2	53.9	54.6	55.3
100	47.0	47.4	47.8	48.2	48.6	49.0	49.7	50.5	51.4	52.2	53.0	53.7	54.4	55.1
110	46.2	46.7	47.2	47.7	48.2	48.7	49.4	50.3	51.1	51.9	52.7	53.5	54.2	54.8
120	46.2	46.6	47.2	47.6	48.0	48.4	49.2	50.0	50.9	51.7	52.5	53.2	53.9	54.6
130	46.1	46.5	46.9	47.3	47.7	48.1	48.9	49.8	50.6	51.5	52.2	53.0	53.7	54.4
140	45.4	45.9	46.4	46.9	47.4	47.9	48.6	49.5	50.4	51.2	52.0	52.8	53.5	54.2
150	45.1	45.6	46.1	46.6	47.1	47.6	48.4	49.3	50.1	51.0	51.8	52.6	53.3	54.0
160	44.9	45.4	45.9	46.4	46.9	47.4	48.2	49.0	49.9	50.8	51.6	52.3	53.1	53.8
170	44.6	45.1	45.6	46.1	46.6	47.1	47.9	48.8	49.7	50.5	51.3	52.1	52.9	53.6
180	44.4	44.9	45.4	45.9	46.4	46.9	47.7	48.6	49.5	50.3	51.1	51.9	52.7	53.4
190	44.2	44.7	45.2	45.7	46.2	46.7	47.5	48.3	49.2	50.1	50.9	51.7	52.4	53.1
200	44.0	44.5	45.0	45.5	46.0	46.5	47.2	48.1	49.0	49.9	50.7	51.5	52.2	52.9
210	43.7	44.2	44.7	45.2	45.7	46.2	47.0	47.9	48.8	49.7	50.5	51.3	52.0	52.7
220	43.5	44.0	44.5	45.0	45.5	46.0	46.8	47.7	48.6	49.5	50.3	51.1	51.8	52.5
230	43.3	43.8	44.3	44.8	45.3	45.8	46.6	47.5	48.4	49.3	50.1	50.9	51.6	52.3
240	43.1	43.6	44.1	44.6	45.1	45.6	46.4	47.3	48.2	49.1	49.9	50.7	51.4	52.1
250	42.9	43.4	43.9	44.4	44.9	45.4	46.2	47.1	48.0	48.9	49.7	50.5	51.2	51.9
260	42.7	43.2	43.7	44.2	44.7	45.2	46.0	46.9	47.8	48.7	49.5	50.3	51.0	51.7
270	42.5	43.1	43.6	44.2	44.6	45.0	45.8	46.7	47.6	48.5	49.3	50.1	50.8	51.6
280	42.4	42.9	43.4	43.9	44.4	44.9	45.7	46.5	47.4	48.3	49.1	49.9	50.7	51.4
290	42.2	42.7	43.2	43.7	44.2	44.7	45.5	46.4	47.3	48.1	48.9	49.7	50.5	51.2
300	42.0	42.5	43.0	43.5	44.0	44.5	45.3	46.2	47.1	47.9	48.8	49.6	50.3	51.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 37. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	51.5	52.0	52.5	53.0	53.5	54.0	54.9	55.8	56.8	57.7	58.6	59.5	60.3	61.0
30	50.4	50.9	51.4	51.9	52.4	52.9	53.7	54.5	55.4	56.3	57.1	57.9	58.7	59.4
40	49.3	49.8	50.3	50.8	51.3	51.8	52.5	53.4	54.3	55.1	55.9	56.7	57.4	58.2
50	49.0	49.4	49.8	50.2	50.6	51.0	51.8	52.6	53.5	54.4	55.2	56.0	56.7	57.5
60	48.2	48.6	49.0	49.4	49.8	50.2	50.9	51.7	52.6	53.4	54.2	55.0	55.7	56.4
70	47.5	47.9	48.3	48.7	49.1	49.5	50.2	51.0	51.8	52.6	53.4	54.2	54.9	55.6
80	47.0	47.4	47.8	48.2	48.6	49.0	49.7	50.5	51.3	52.1	52.9	53.6	54.3	55.0
90	46.6	47.0	47.4	47.8	48.2	48.6	49.3	50.1	50.9	51.7	52.4	53.1	53.8	54.5
100	46.2	46.6	47.0	47.4	47.8	48.2	48.9	49.7	50.5	51.3	52.1	52.8	53.5	54.2
110	45.9	46.3	46.7	47.1	47.5	47.9	48.6	49.4	50.2	51.0	51.8	52.5	53.2	53.9
120	45.6	46.0	46.4	46.8	47.2	47.6	48.3	49.1	50.0	50.8	51.5	52.3	53.0	53.6
130	45.3	45.7	46.1	46.5	46.9	47.3	48.0	48.9	49.7	50.5	51.3	52.0	52.8	53.4
140	45.0	45.4	45.8	46.2	46.6	47.0	47.8	48.6	49.5	50.3	51.1	51.8	52.5	53.2
150	44.3	44.8	45.3	45.8	46.3	46.8	47.5	48.4	49.2	50.1	50.9	51.6	52.3	53.0
160	44.1	44.6	45.1	45.6	46.1	46.6	47.3	48.2	49.0	49.9	50.7	51.4	52.1	52.8
170	43.9	44.4	45.1	45.5	45.9	46.3	47.1	48.0	48.8	49.6	50.4	51.2	51.9	52.6
180	43.6	44.1	44.6	45.1	45.6	46.1	46.9	47.7	48.6	49.4	50.2	51.0	51.7	52.4
190	43.4	43.9	44.4	44.9	45.4	45.9	46.6	47.5	48.4	49.2	50.0	50.8	51.5	52.2
200	43.2	43.7	44.2	44.7	45.2	45.7	46.4	47.3	48.2	49.0	49.8	50.6	51.3	52.0
210	43.2	43.7	44.2	44.6	45.0	45.4	46.2	47.1	48.0	48.8	49.6	50.4	51.1	51.8
220	43.2	43.6	44.0	44.4	44.8	45.2	46.0	46.9	47.8	48.6	49.4	50.2	50.9	51.6
230	43.0	43.4	43.8	44.2	44.6	45.0	45.8	46.7	47.6	48.4	49.2	50.0	50.7	51.5
240	42.8	43.2	43.6	44.0	44.4	44.8	45.6	46.5	47.4	48.2	49.0	49.8	50.6	51.3
250	42.2	42.7	43.2	43.7	44.2	44.7	45.4	46.3	47.2	48.0	48.9	49.6	50.4	51.1
260	42.0	42.5	43.0	43.5	44.0	44.5	45.3	46.1	47.0	47.9	48.7	49.4	50.2	50.9
270	41.8	42.3	42.8	43.3	43.8	44.3	45.1	45.9	46.8	47.7	48.5	49.3	50.0	50.7
280	41.6	42.1	42.6	43.1	43.6	44.1	44.9	45.8	46.6	47.5	48.3	49.1	49.8	50.5
290	41.5	42.0	42.5	43.1	43.5	43.9	44.7	45.6	46.5	47.3	48.1	48.9	49.6	50.4
300	41.3	41.8	42.3	42.8	43.3	43.8	44.5	45.4	46.3	47.1	48.0	48.7	49.5	50.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 38. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	59.4	60.1	60.8	61.5	62.2	62.9	63.9	65.0	66.1	67.2	68.2	69.2	70.1	71.0
30	57.2	57.8	58.4	59.0	59.6	60.2	61.1	62.1	63.1	64.1	65.1	66.0	66.9	67.7
40	55.6	56.2	56.8	57.4	58.0	58.6	59.4	60.4	61.4	62.3	63.3	64.2	65.0	65.8
50	54.8	55.3	55.8	56.3	56.8	57.3	58.1	59.0	59.9	60.8	61.7	62.6	63.4	64.2
60	53.6	54.1	54.6	55.1	55.6	56.1	56.8	57.7	58.6	59.5	60.3	61.1	61.9	62.7
70	53.1	53.5	53.9	54.3	54.7	55.1	55.8	56.6	57.4	58.3	59.1	59.8	60.6	61.3
80	52.2	52.6	53.0	53.4	53.8	54.2	54.8	55.6	56.4	57.2	57.9	58.7	59.4	60.1
90	51.9	52.2	52.5	52.8	53.1	53.4	54.0	54.7	55.5	56.2	56.9	57.6	58.3	58.9
100	51.2	51.5	51.8	52.1	52.4	52.7	53.2	53.9	54.6	55.3	56.0	56.7	57.3	57.9
110	51.0	51.2	51.4	51.6	51.8	52.0	52.6	53.2	53.9	54.6	55.2	55.8	56.4	57.0
120	50.5	50.7	50.9	51.1	51.3	51.5	52.0	52.6	53.3	53.9	54.5	55.1	55.6	56.2
130	50.0	50.2	50.4	50.6	50.8	51.0	51.5	52.1	52.7	53.3	53.8	54.4	54.9	55.4
140	50.0	50.1	50.2	50.3	50.4	50.5	51.0	51.6	52.2	52.7	53.3	53.8	54.3	54.8
150	49.6	49.7	49.8	49.9	50.0	50.1	50.6	51.1	51.7	52.2	52.7	53.2	53.7	54.1
160	48.8	49.0	49.2	49.4	49.6	49.8	50.2	50.7	51.2	51.8	52.2	52.7	53.1	53.6
170	48.7	49.0	49.1	49.2	49.3	49.4	49.8	50.3	50.8	51.3	51.8	52.2	52.7	53.1
180	48.6	48.7	48.8	48.9	49.0	49.1	49.5	50.0	50.5	51.0	51.4	51.8	52.2	52.6
190	48.3	48.4	48.5	48.6	48.7	48.8	49.2	49.7	50.1	50.6	51.0	51.4	51.8	52.2
200	48.0	48.1	48.2	48.3	48.4	48.5	48.9	49.4	49.8	50.3	50.7	51.1	51.4	51.8
210	47.8	47.9	48.2	48.2	48.2	48.2	48.6	49.1	49.5	50.0	50.4	50.7	51.1	51.4
220	47.5	47.6	47.7	47.8	47.9	48.0	48.4	48.8	49.3	49.7	50.1	50.4	50.8	51.1
230	47.3	47.4	47.5	47.6	47.7	47.8	48.1	48.6	49.0	49.4	49.8	50.2	50.5	50.8
240	47.3	47.4	47.5	47.5	47.5	47.5	47.9	48.3	48.8	49.2	49.6	49.9	50.2	50.5
250	47.3	47.3	47.3	47.3	47.3	47.3	47.7	48.1	48.6	48.9	49.3	49.6	49.9	50.2
260	47.1	47.1	47.1	47.1	47.1	47.1	47.5	47.9	48.3	48.7	49.1	49.4	49.7	50.0
270	46.5	46.6	46.7	46.8	46.9	47.0	47.3	47.7	48.1	48.5	48.9	49.2	49.5	49.7
280	46.3	46.4	46.5	46.6	46.7	46.8	47.1	47.5	47.9	48.3	48.7	49.0	49.3	49.5
290	46.1	46.2	46.3	46.4	46.5	46.6	46.9	47.4	47.8	48.1	48.5	48.8	49.1	49.3
300	46.0	46.1	46.2	46.4	46.4	46.4	46.8	47.2	47.6	48.0	48.3	48.6	48.9	49.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 39. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	57.9	58.5	59.1	59.7	60.3	60.9	61.9	62.9	64.0	65.0	66.0	66.9	67.8	68.6
30	55.7	56.2	56.7	57.2	57.7	58.2	59.1	60.0	61.0	61.9	62.8	63.7	64.6	65.4
40	54.6	55.0	55.4	55.8	56.2	56.6	57.4	58.3	59.2	60.1	61.0	61.8	62.6	63.4
50	53.5	53.9	54.3	54.7	55.1	55.5	56.2	57.1	57.9	58.8	59.6	60.4	61.2	62.0
60	52.5	52.9	53.3	53.7	54.1	54.5	55.2	56.0	56.9	57.7	58.5	59.2	60.0	60.7
70	52.1	52.4	52.7	53.0	53.3	53.6	54.3	55.1	55.8	56.6	57.4	58.1	58.8	59.5
80	51.3	51.6	51.9	52.2	52.5	52.8	53.4	54.1	54.9	55.6	56.4	57.1	57.7	58.4
90	50.6	50.9	51.2	51.5	51.8	52.1	52.7	53.4	54.1	54.8	55.5	56.1	56.8	57.4
100	49.9	50.2	50.5	50.8	51.1	51.4	52.0	52.6	53.3	54.0	54.6	55.3	55.9	56.5
110	49.8	50.0	50.2	50.4	50.6	50.8	51.4	52.0	52.6	53.3	53.9	54.5	55.1	55.7
120	49.3	49.5	49.7	49.9	50.1	50.3	50.8	51.4	52.0	52.6	53.2	53.8	54.3	54.9
130	48.8	49.0	49.2	49.4	49.6	49.8	50.3	50.9	51.5	52.0	52.6	53.1	53.7	54.2
140	48.4	48.6	48.8	49.0	49.2	49.4	49.8	50.4	51.0	51.5	52.0	52.5	53.0	53.5
150	48.0	48.2	48.4	48.6	48.8	49.0	49.4	50.0	50.5	51.0	51.5	52.0	52.5	52.9
160	47.8	48.2	48.3	48.4	48.5	48.6	49.0	49.6	50.1	50.6	51.1	51.5	52.0	52.4
170	47.3	47.5	47.7	47.9	48.1	48.3	48.7	49.2	49.7	50.2	50.7	51.1	51.5	51.9
180	47.0	47.2	47.4	47.6	47.8	48.0	48.4	48.8	49.3	49.8	50.3	50.7	51.1	51.5
190	47.0	47.1	47.4	47.5	47.6	47.7	48.1	48.5	49.0	49.5	49.9	50.3	50.7	51.0
200	46.9	47.0	47.1	47.2	47.3	47.4	47.8	48.2	48.7	49.1	49.6	49.9	50.3	50.6
210	46.6	46.7	46.8	46.9	47.0	47.1	47.5	48.0	48.4	48.8	49.2	49.6	49.9	50.3
220	46.4	46.5	46.6	46.7	46.8	46.9	47.2	47.7	48.1	48.5	48.9	49.3	49.6	49.9
230	46.2	46.2	46.6	46.6	46.6	46.6	47.0	47.4	47.9	48.3	48.7	49.0	49.3	49.6
240	45.9	46.0	46.1	46.2	46.3	46.4	46.8	47.2	47.6	48.0	48.4	48.7	49.0	49.3
250	45.7	45.8	45.9	46.0	46.1	46.2	46.6	47.0	47.4	47.8	48.1	48.5	48.8	49.0
260	45.5	45.6	45.7	45.8	45.9	46.0	46.3	46.8	47.2	47.6	47.9	48.2	48.5	48.8
270	45.4	45.5	45.6	45.7	45.8	45.8	46.1	46.6	47.0	47.4	47.7	48.0	48.3	48.5
280	45.4	45.5	45.5	45.5	45.6	45.6	46.0	46.4	46.8	47.1	47.5	47.8	48.0	48.3
290	45.4	45.4	45.4	45.4	45.4	45.4	45.8	46.2	46.6	47.0	47.3	47.6	47.8	48.1
300	44.8	44.9	45.0	45.1	45.2	45.3	45.6	46.0	46.4	46.8	47.1	47.4	47.6	47.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 40. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	56.1	56.7	57.3	57.9	58.5	59.1	59.9	60.9	61.9	62.8	63.7	64.6	65.4	66.2
30	54.7	55.1	55.5	55.9	56.3	56.7	57.5	58.4	59.3	60.2	61.1	62.0	62.8	63.6
40	53.2	53.6	54.0	54.4	54.8	55.2	55.9	56.7	57.6	58.4	59.2	60.0	60.8	61.5
50	52.1	52.5	52.9	53.3	53.7	54.1	54.7	55.5	56.3	57.1	57.9	58.7	59.4	60.1
60	51.6	51.9	52.2	52.5	52.8	53.1	53.8	54.5	55.3	56.1	56.8	57.6	58.3	59.0
70	50.8	51.1	51.4	51.7	52.0	52.3	53.0	53.7	54.4	55.2	55.9	56.6	57.3	57.9
80	50.1	50.4	50.7	51.0	51.3	51.6	52.2	52.9	53.6	54.3	55.0	55.7	56.3	56.9
90	49.9	50.1	50.3	50.5	50.7	50.9	51.5	52.2	52.9	53.5	54.2	54.8	55.4	56.0
100	49.3	49.5	49.7	49.9	50.1	50.3	50.9	51.5	52.2	52.8	53.4	54.1	54.6	55.2
110	48.8	49.0	49.2	49.4	49.6	49.8	50.3	50.9	51.6	52.2	52.8	53.3	53.9	54.5
120	48.3	48.5	48.7	48.9	49.1	49.3	49.8	50.4	51.0	51.6	52.1	52.7	53.2	53.7
130	48.3	48.4	48.5	48.6	48.7	48.8	49.3	49.9	50.5	51.0	51.6	52.1	52.6	53.1
140	47.9	48.0	48.1	48.2	48.3	48.4	48.9	49.4	50.0	50.5	51.0	51.5	52.0	52.5
150	47.5	47.6	47.7	47.8	47.9	48.0	48.5	49.0	49.5	50.0	50.5	51.0	51.5	51.9
160	46.7	46.9	47.1	47.3	47.5	47.7	48.1	48.6	49.1	49.6	50.1	50.5	51.0	51.4
170	46.6	46.9	47.0	47.1	47.2	47.3	47.7	48.2	48.7	49.2	49.7	50.1	50.5	50.9
180	46.5	46.6	46.7	46.8	46.9	47.0	47.4	47.9	48.4	48.9	49.3	49.7	50.1	50.5
190	46.2	46.3	46.4	46.5	46.6	46.7	47.1	47.6	48.1	48.5	48.9	49.3	49.7	50.1
200	46.0	46.1	46.2	46.3	46.4	46.5	46.8	47.3	47.8	48.2	48.6	49.0	49.3	49.7
210	45.7	45.8	45.9	46.0	46.1	46.2	46.6	47.0	47.5	47.9	48.3	48.7	49.0	49.3
220	45.5	45.6	45.7	45.8	45.9	46.0	46.3	46.8	47.2	47.6	48.0	48.3	48.7	49.0
230	45.2	45.3	45.4	45.5	45.6	45.7	46.1	46.5	46.9	47.4	47.7	48.1	48.4	48.7
240	45.0	45.1	45.2	45.3	45.4	45.5	45.8	46.3	46.7	47.1	47.5	47.8	48.1	48.4
250	44.8	44.9	45.0	45.1	45.2	45.3	45.6	46.1	46.5	46.9	47.2	47.5	47.8	48.1
260	44.6	44.7	44.8	44.9	45.0	45.1	45.4	45.9	46.3	46.7	47.0	47.3	47.6	47.8
270	44.4	44.5	44.6	44.7	44.8	44.9	45.2	45.7	46.1	46.4	46.8	47.1	47.3	47.6
280	44.3	44.4	44.5	44.7	44.7	44.7	45.1	45.5	45.9	46.2	46.6	46.8	47.1	47.3
290	44.2	44.3	44.4	44.5	44.5	44.5	44.9	45.3	45.7	46.0	46.4	46.6	46.9	47.1
300	43.9	44.0	44.1	44.2	44.3	44.4	44.7	45.1	45.5	45.8	46.2	46.4	46.7	46.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 41. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	55.2	55.7	56.2	56.7	57.2	57.7	58.5	59.5	60.4	61.3	62.2	63.0	63.8	64.6
30	53.2	53.7	54.2	54.7	55.2	55.7	56.5	57.4	58.3	59.2	60.0	60.8	61.7	62.4
40	52.2	52.6	53.0	53.4	53.8	54.2	54.9	55.7	56.5	57.4	58.2	59.0	59.7	60.5
50	51.1	51.5	51.9	52.3	52.7	53.1	53.7	54.5	55.3	56.1	56.8	57.5	58.3	59.0
60	50.6	50.9	51.2	51.5	51.8	52.1	52.7	53.4	54.2	54.9	55.7	56.4	57.1	57.7
70	49.8	50.1	50.4	50.7	51.0	51.3	51.9	52.6	53.3	54.1	54.8	55.4	56.1	56.7
80	49.1	49.4	49.7	50.0	50.3	50.6	51.2	51.9	52.6	53.2	53.9	54.6	55.2	55.8
90	48.5	48.8	49.1	49.4	49.7	50.0	50.5	51.2	51.9	52.5	53.2	53.8	54.4	55.0
100	48.4	48.6	48.8	49.0	49.2	49.4	49.9	50.6	51.2	51.8	52.5	53.1	53.6	54.2
110	47.9	48.1	48.3	48.5	48.7	48.9	49.4	50.0	50.6	51.2	51.8	52.4	53.0	53.5
120	47.4	47.6	47.8	48.0	48.2	48.4	48.9	49.5	50.1	50.7	51.2	51.8	52.3	52.8
130	47.4	47.5	47.6	47.7	47.8	47.9	48.4	49.0	49.6	50.1	50.7	51.2	51.7	52.2
140	47.0	47.1	47.2	47.3	47.4	47.5	48.0	48.5	49.1	49.6	50.2	50.7	51.2	51.6
150	46.2	46.4	46.6	46.8	47.0	47.2	47.6	48.1	48.7	49.2	49.7	50.2	50.6	51.1
160	46.1	46.4	46.5	46.6	46.7	46.8	47.2	47.8	48.3	48.8	49.3	49.7	50.2	50.6
170	46.0	46.1	46.2	46.3	46.4	46.5	46.9	47.4	47.9	48.4	48.9	49.3	49.7	50.1
180	45.7	45.8	45.9	46.0	46.1	46.2	46.6	47.1	47.6	48.0	48.5	48.9	49.3	49.7
190	45.4	45.5	45.6	45.7	45.8	45.9	46.3	46.8	47.2	47.7	48.1	48.5	48.9	49.3
200	45.1	45.2	45.3	45.4	45.5	45.6	46.0	46.5	46.9	47.4	47.8	48.2	48.5	48.9
210	44.9	45.0	45.1	45.2	45.3	45.4	45.7	46.2	46.7	47.1	47.5	47.9	48.2	48.5
220	44.6	44.7	44.8	44.9	45.0	45.1	45.5	45.9	46.4	46.8	47.2	47.6	47.9	48.2
230	44.4	44.5	44.6	44.7	44.8	44.9	45.2	45.7	46.1	46.5	46.9	47.3	47.6	47.9
240	44.2	44.3	44.4	44.5	44.6	44.7	45.0	45.4	45.9	46.3	46.7	47.0	47.3	47.6
250	44.2	44.3	44.4	44.4	44.4	44.4	44.8	45.2	45.6	46.0	46.4	46.7	47.0	47.3
260	44.2	44.2	44.2	44.2	44.2	44.2	44.6	45.0	45.4	45.8	46.2	46.5	46.8	47.0
270	43.6	43.7	43.8	43.9	44.0	44.1	44.4	44.8	45.2	45.6	45.9	46.3	46.5	46.8
280	43.4	43.5	43.6	43.7	43.8	43.9	44.2	44.6	45.0	45.4	45.7	46.0	46.3	46.6
290	43.2	43.3	43.4	43.5	43.6	43.7	44.0	44.4	44.8	45.2	45.5	45.8	46.1	46.3
300	43.1	43.2	43.3	43.5	43.5	43.5	43.8	44.2	44.6	45.0	45.3	45.6	45.9	46.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 42. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	53.8	54.3	54.8	55.3	55.8	56.3	57.1	58.1	59.0	59.9	60.8	61.6	62.4	63.2
30	52.7	53.1	53.5	53.9	54.3	54.7	55.5	56.4	57.3	58.1	59.0	59.8	60.5	61.3
40	51.3	51.7	52.1	52.5	52.9	53.3	54.0	54.8	55.7	56.5	57.3	58.1	58.9	59.6
50	50.5	50.8	51.1	51.4	51.7	52.0	52.7	53.5	54.2	55.0	55.8	56.5	57.2	57.9
60	49.6	49.9	50.2	50.5	50.8	51.1	51.7	52.4	53.2	53.9	54.6	55.3	56.0	56.6
70	49.3	49.5	49.7	49.9	50.1	50.3	50.9	51.6	52.3	53.0	53.7	54.3	55.0	55.6
80	48.2	48.5	48.8	49.1	49.4	49.7	50.2	50.9	51.6	52.2	52.9	53.5	54.1	54.7
90	47.6	47.9	48.2	48.5	48.8	49.1	49.6	50.2	50.9	51.5	52.1	52.8	53.3	53.9
100	47.5	47.7	47.9	48.1	48.3	48.5	49.0	49.6	50.3	50.9	51.5	52.1	52.6	53.2
110	47.0	47.2	47.4	47.6	47.8	48.0	48.5	49.1	49.7	50.3	50.9	51.4	52.0	52.5
120	46.5	46.7	46.9	47.1	47.3	47.5	48.0	48.6	49.2	49.7	50.3	50.8	51.3	51.9
130	46.1	46.3	46.5	46.7	46.9	47.1	47.5	48.1	48.7	49.2	49.8	50.3	50.8	51.3
140	45.7	45.9	46.1	46.3	46.5	46.7	47.1	47.7	48.2	48.8	49.3	49.8	50.2	50.7
150	45.4	45.9	46.0	46.1	46.2	46.3	46.8	47.3	47.8	48.3	48.8	49.3	49.7	50.2
160	45.0	45.2	45.4	45.6	45.8	46.0	46.4	46.9	47.4	47.9	48.4	48.8	49.3	49.7
170	44.9	45.2	45.3	45.4	45.5	45.6	46.1	46.6	47.1	47.5	48.0	48.4	48.9	49.3
180	44.8	44.9	45.0	45.1	45.2	45.3	45.7	46.2	46.7	47.2	47.6	48.0	48.4	48.8
190	44.6	44.7	44.8	44.9	45.0	45.1	45.4	45.9	46.4	46.9	47.3	47.7	48.1	48.4
200	44.3	44.4	44.5	44.6	44.7	44.8	45.2	45.6	46.1	46.5	47.0	47.3	47.7	48.1
210	44.0	44.1	44.2	44.3	44.4	44.5	44.9	45.4	45.8	46.3	46.7	47.0	47.4	47.7
220	43.8	43.9	44.0	44.1	44.2	44.3	44.6	45.1	45.5	46.0	46.4	46.7	47.1	47.4
230	43.8	43.9	44.0	44.0	44.0	44.0	44.4	44.9	45.3	45.7	46.1	46.4	46.8	47.1
240	43.8	43.8	43.8	43.8	43.8	43.8	44.2	44.6	45.1	45.5	45.8	46.2	46.5	46.8
250	43.1	43.2	43.3	43.4	43.5	43.6	44.0	44.4	44.8	45.2	45.6	45.9	46.2	46.5
260	42.9	43.0	43.1	43.2	43.3	43.4	43.8	44.2	44.6	45.0	45.3	45.7	45.9	46.2
270	42.9	43.0	43.1	43.2	43.2	43.2	43.6	44.0	44.4	44.8	45.1	45.4	45.7	46.0
280	42.9	43.0	43.0	43.0	43.0	43.0	43.4	43.8	44.2	44.6	44.9	45.2	45.5	45.7
290	42.8	42.8	42.8	42.8	42.8	42.8	43.2	43.6	44.0	44.4	44.7	45.0	45.3	45.5
300	42.2	42.3	42.4	42.5	42.6	42.7	43.0	43.4	43.8	44.2	44.5	44.8	45.0	45.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 43. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	52.7	53.2	53.7	54.2	54.7	55.2	56.1	57.0	57.9	58.8	59.7	60.6	61.3	62.1
30	51.4	51.9	52.4	52.9	53.4	53.9	54.6	55.5	56.4	57.2	58.1	58.9	59.6	60.4
40	50.6	51.0	51.4	51.8	52.2	52.6	53.3	54.1	54.9	55.8	56.6	57.4	58.1	58.8
50	49.3	49.7	50.1	50.5	50.9	51.3	51.9	52.7	53.4	54.2	55.0	55.7	56.4	57.1
60	48.8	49.1	49.4	49.7	50.0	50.3	50.9	51.6	52.3	53.1	53.8	54.5	55.1	55.8
70	48.5	48.7	48.9	49.1	49.3	49.5	50.1	50.8	51.5	52.2	52.9	53.5	54.2	54.8
80	47.4	47.7	48.0	48.3	48.6	48.9	49.4	50.1	50.8	51.4	52.1	52.7	53.3	54.0
90	47.3	47.5	47.7	47.9	48.1	48.3	48.8	49.5	50.1	50.8	51.4	52.0	52.6	53.2
100	46.3	46.6	46.9	47.2	47.5	47.8	48.3	48.9	49.5	50.2	50.8	51.4	51.9	52.5
110	46.3	46.5	46.7	46.9	47.1	47.3	47.8	48.4	49.0	49.6	50.2	50.7	51.3	51.9
120	45.8	46.0	46.2	46.4	46.6	46.8	47.3	47.9	48.5	49.1	49.6	50.2	50.7	51.2
130	45.4	45.6	45.8	46.0	46.2	46.4	46.8	47.4	48.0	48.6	49.1	49.6	50.2	50.7
140	45.0	45.2	45.4	45.6	45.8	46.0	46.4	47.0	47.5	48.1	48.6	49.1	49.6	50.1
150	44.6	44.8	45.0	45.2	45.4	45.6	46.0	46.6	47.1	47.7	48.2	48.7	49.2	49.6
160	44.3	44.5	44.7	44.9	45.1	45.3	45.7	46.2	46.7	47.3	47.8	48.2	48.7	49.2
170	44.2	44.5	44.6	44.7	44.8	44.9	45.3	45.9	46.4	46.9	47.4	47.8	48.3	48.7
180	44.1	44.2	44.3	44.4	44.5	44.6	45.0	45.5	46.0	46.5	47.0	47.4	47.9	48.3
190	43.8	43.9	44.0	44.1	44.2	44.3	44.7	45.2	45.7	46.2	46.7	47.1	47.5	47.9
200	43.6	43.7	43.8	43.9	44.0	44.1	44.5	44.9	45.4	45.9	46.3	46.7	47.1	47.5
210	43.3	43.4	43.5	43.6	43.7	43.8	44.2	44.7	45.1	45.6	46.0	46.4	46.8	47.2
220	43.1	43.2	43.3	43.4	43.5	43.6	43.9	44.4	44.9	45.3	45.7	46.1	46.5	46.8
230	42.8	42.9	43.0	43.1	43.2	43.3	43.7	44.2	44.6	45.0	45.5	45.8	46.2	46.5
240	42.6	42.7	42.8	42.9	43.0	43.1	43.5	43.9	44.4	44.8	45.2	45.6	45.9	46.2
250	42.4	42.5	42.6	42.7	42.8	42.9	43.2	43.7	44.1	44.6	44.9	45.3	45.6	45.9
260	42.2	42.3	42.4	42.5	42.6	42.7	43.0	43.5	43.9	44.3	44.7	45.0	45.4	45.7
270	42.0	42.1	42.2	42.3	42.4	42.5	42.8	43.3	43.7	44.1	44.5	44.8	45.1	45.4
280	41.8	41.9	42.0	42.1	42.2	42.3	42.6	43.1	43.5	43.9	44.2	44.6	44.9	45.2
290	41.6	41.7	41.8	41.9	42.0	42.1	42.5	42.9	43.3	43.7	44.0	44.3	44.6	44.9
300	41.5	41.6	41.7	41.9	41.9	41.9	42.3	42.7	43.1	43.5	43.8	44.1	44.4	44.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 44. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	52.4	52.8	53.2	53.6	54.0	54.4	55.2	56.1	57.0	57.8	58.7	59.5	60.2	61.0
30	50.9	51.3	51.7	52.1	52.5	52.9	53.7	54.5	55.3	56.2	57.0	57.7	58.5	59.2
40	49.9	50.3	50.7	51.1	51.5	51.9	52.6	53.4	54.3	55.1	55.9	56.7	57.4	58.1
50	48.6	49.0	49.4	49.8	50.2	50.6	51.2	52.0	52.8	53.5	54.3	55.0	55.7	56.4
60	48.5	48.7	48.9	49.1	49.3	49.5	50.1	50.9	51.6	52.3	53.0	53.7	54.4	55.0
70	47.3	47.6	47.9	48.2	48.5	48.8	49.3	50.0	50.7	51.4	52.0	52.7	53.3	53.9
80	47.1	47.3	47.5	47.7	47.9	48.1	48.6	49.3	49.9	50.6	51.2	51.9	52.5	53.1
90	46.5	46.7	46.9	47.1	47.3	47.5	48.0	48.6	49.3	49.9	50.5	51.1	51.7	52.3
100	46.0	46.2	46.4	46.6	46.8	47.0	47.5	48.1	48.7	49.3	49.9	50.5	51.1	51.6
110	45.5	45.7	45.9	46.1	46.3	46.5	47.0	47.6	48.2	48.8	49.3	49.9	50.5	51.0
120	45.5	45.6	45.7	45.8	45.9	46.0	46.5	47.1	47.7	48.3	48.8	49.3	49.9	50.4
130	44.6	44.8	45.0	45.2	45.4	45.6	46.1	46.6	47.2	47.8	48.3	48.8	49.3	49.8
140	44.5	44.8	44.9	45.0	45.1	45.2	45.7	46.2	46.8	47.3	47.8	48.3	48.8	49.3
150	44.3	44.4	44.5	44.6	44.7	44.8	45.3	45.8	46.4	46.9	47.4	47.9	48.4	48.8
160	44.0	44.1	44.2	44.3	44.4	44.5	44.9	45.5	46.0	46.5	47.0	47.5	47.9	48.4
170	43.7	43.8	43.9	44.0	44.1	44.2	44.6	45.1	45.6	46.1	46.6	47.1	47.5	47.9
180	43.4	43.5	43.6	43.7	43.8	43.9	44.3	44.8	45.3	45.8	46.3	46.7	47.1	47.5
190	43.1	43.2	43.3	43.4	43.5	43.6	44.0	44.5	45.0	45.5	45.9	46.3	46.8	47.2
200	42.4	42.6	42.8	43.0	43.2	43.4	43.7	44.2	44.7	45.2	45.6	46.0	46.4	46.8
210	42.6	42.7	42.8	42.9	43.0	43.1	43.5	43.9	44.4	44.9	45.3	45.7	46.1	46.4
220	42.4	42.5	42.8	42.8	42.8	42.8	43.2	43.7	44.2	44.6	45.0	45.4	45.8	46.1
230	42.1	42.2	42.3	42.4	42.5	42.6	43.0	43.4	43.9	44.3	44.7	45.1	45.5	45.8
240	41.9	42.0	42.1	42.2	42.3	42.4	42.8	43.2	43.7	44.1	44.5	44.8	45.2	45.5
250	41.7	41.8	41.9	42.0	42.1	42.2	42.5	43.0	43.4	43.8	44.2	44.6	44.9	45.2
260	41.5	41.6	41.7	41.8	41.9	42.0	42.3	42.8	43.2	43.6	44.0	44.3	44.7	45.0
270	41.3	41.4	41.5	41.6	41.7	41.8	42.1	42.6	43.0	43.4	43.8	44.1	44.4	44.7
280	41.1	41.2	41.3	41.4	41.5	41.6	41.9	42.4	42.8	43.2	43.5	43.9	44.2	44.5
290	40.9	41.0	41.1	41.2	41.3	41.4	41.7	42.2	42.6	43.0	43.3	43.6	43.9	44.2
300	41.2	41.2	41.2	41.2	41.2	41.2	41.6	42.0	42.4	42.8	43.1	43.4	43.7	44.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 45. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	51.1	51.6	52.1	52.6	53.1	53.6	54.3	55.2	56.1	56.9	57.8	58.5	59.3	60.0
30	50.2	50.6	51.0	51.4	51.8	52.2	52.9	53.8	54.6	55.4	56.2	57.0	57.7	58.4
40	49.1	49.5	49.9	50.3	50.7	51.1	51.8	52.7	53.5	54.3	55.1	55.9	56.6	57.3
50	48.5	48.8	49.1	49.4	49.7	50.0	50.7	51.5	52.3	53.1	53.9	54.6	55.4	56.1
60	47.5	47.8	48.1	48.4	48.7	49.0	49.6	50.4	51.1	51.9	52.6	53.3	54.0	54.7
70	46.7	47.0	47.3	47.6	47.9	48.2	48.7	49.4	50.1	50.8	51.5	52.2	52.8	53.4
80	46.0	46.3	46.6	46.9	47.2	47.5	48.0	48.7	49.3	50.0	50.6	51.3	51.9	52.5
90	45.4	45.7	46.0	46.3	46.6	46.9	47.4	48.0	48.7	49.3	49.9	50.5	51.1	51.7
100	45.3	45.5	45.7	45.9	46.1	46.3	46.8	47.4	48.1	48.7	49.3	49.9	50.4	51.0
110	45.3	45.4	45.5	45.6	45.7	45.8	46.3	46.9	47.5	48.1	48.7	49.3	49.8	50.4
120	44.4	44.6	44.8	45.0	45.2	45.4	45.9	46.5	47.1	47.6	48.2	48.7	49.3	49.8
130	44.0	44.2	44.4	44.6	44.8	45.0	45.5	46.0	46.6	47.2	47.7	48.2	48.7	49.2
140	43.6	43.8	44.0	44.2	44.4	44.6	45.0	45.6	46.2	46.7	47.2	47.8	48.3	48.7
150	43.3	43.8	43.9	44.0	44.1	44.2	44.7	45.2	45.8	46.3	46.8	47.3	47.8	48.3
160	42.9	43.1	43.3	43.5	43.7	43.9	44.3	44.9	45.4	45.9	46.4	46.9	47.4	47.8
170	42.6	42.8	43.0	43.2	43.4	43.6	44.0	44.5	45.0	45.6	46.0	46.5	47.0	47.4
180	42.3	42.5	42.7	42.9	43.1	43.3	43.7	44.2	44.7	45.2	45.7	46.1	46.6	47.0
190	42.3	42.4	42.7	42.8	42.9	43.0	43.4	43.9	44.4	44.9	45.4	45.8	46.2	46.6
200	42.2	42.3	42.4	42.5	42.6	42.7	43.1	43.6	44.1	44.6	45.0	45.5	45.9	46.3
210	42.0	42.1	42.2	42.3	42.4	42.5	42.9	43.3	43.8	44.3	44.7	45.1	45.5	45.9
220	41.7	41.8	41.9	42.0	42.1	42.2	42.6	43.1	43.6	44.0	44.4	44.8	45.2	45.6
230	41.5	41.6	41.7	41.8	41.9	42.0	42.4	42.8	43.3	43.8	44.2	44.6	44.9	45.3
240	41.3	41.4	41.5	41.6	41.7	41.8	42.1	42.6	43.1	43.5	43.9	44.3	44.7	45.0
250	41.3	41.4	41.5	41.5	41.5	41.5	41.9	42.4	42.8	43.3	43.7	44.0	44.4	44.7
260	41.3	41.3	41.3	41.3	41.3	41.3	41.7	42.2	42.6	43.0	43.4	43.8	44.1	44.5
270	41.1	41.1	41.1	41.1	41.1	41.1	41.5	41.9	42.4	42.8	43.2	43.5	43.9	44.2
280	40.9	40.9	40.9	40.9	40.9	40.9	41.3	41.7	42.2	42.6	43.0	43.3	43.6	44.0
290	40.3	40.4	40.5	40.6	40.7	40.8	41.1	41.5	42.0	42.4	42.8	43.1	43.4	43.7
300	40.1	40.2	40.3	40.4	40.5	40.6	40.9	41.4	41.8	42.2	42.6	42.9	43.2	43.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 46. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	50.2	50.7	51.2	51.7	52.2	52.7	53.5	54.4	55.3	56.2	57.1	57.9	58.7	59.5
30	49.6	50.0	50.4	50.8	51.2	51.6	52.4	53.2	54.1	54.9	55.7	56.5	57.3	58.0
40	48.4	48.8	49.2	49.6	50.0	50.4	51.1	51.9	52.7	53.5	54.3	55.0	55.7	56.4
50	47.5	47.9	48.3	48.7	49.1	49.5	50.1	50.9	51.8	52.6	53.3	54.1	54.8	55.5
60	47.0	47.3	47.6	47.9	48.2	48.5	49.2	49.9	50.7	51.5	52.2	52.9	53.7	54.3
70	46.2	46.5	46.8	47.1	47.4	47.7	48.3	49.0	49.7	50.5	51.2	51.9	52.5	53.2
80	45.5	45.8	46.1	46.4	46.7	47.0	47.6	48.2	48.9	49.6	50.3	51.0	51.6	52.2
90	44.9	45.2	45.5	45.8	46.1	46.4	46.9	47.6	48.2	48.9	49.6	50.2	50.8	51.4
100	44.8	45.0	45.2	45.4	45.6	45.8	46.4	47.0	47.6	48.3	48.9	49.5	50.1	50.7
110	44.3	44.5	44.7	44.9	45.1	45.3	45.9	46.5	47.1	47.7	48.3	48.9	49.5	50.1
120	43.9	44.1	44.3	44.5	44.7	44.9	45.4	46.0	46.6	47.2	47.8	48.4	48.9	49.5
130	43.5	43.7	43.9	44.1	44.3	44.5	45.0	45.5	46.2	46.7	47.3	47.9	48.4	49.0
140	43.1	43.3	43.5	43.7	43.9	44.1	44.6	45.1	45.7	46.3	46.8	47.4	47.9	48.4
150	42.7	42.9	43.1	43.3	43.5	43.7	44.2	44.7	45.3	45.9	46.4	46.9	47.5	48.0
160	42.4	42.6	42.8	43.0	43.2	43.4	43.8	44.4	44.9	45.5	46.0	46.5	47.0	47.5
170	42.3	42.6	42.7	42.8	42.9	43.0	43.5	44.0	44.6	45.1	45.6	46.1	46.6	47.1
180	42.2	42.3	42.4	42.5	42.6	42.7	43.2	43.7	44.2	44.8	45.3	45.8	46.2	46.7
190	41.9	42.0	42.1	42.2	42.3	42.4	42.9	43.4	43.9	44.4	44.9	45.4	45.8	46.3
200	41.2	41.4	41.6	41.8	42.0	42.2	42.6	43.1	43.6	44.1	44.6	45.0	45.5	45.9
210	41.0	41.2	41.6	41.7	41.8	41.9	42.3	42.8	43.3	43.8	44.3	44.7	45.2	45.6
220	40.7	40.9	41.1	41.3	41.5	41.7	42.1	42.6	43.1	43.5	44.0	44.4	44.8	45.3
230	40.7	40.9	41.1	41.2	41.3	41.4	41.8	42.3	42.8	43.3	43.7	44.1	44.5	44.9
240	40.7	40.8	40.9	41.0	41.1	41.2	41.6	42.1	42.6	43.0	43.5	43.9	44.3	44.6
250	40.5	40.6	40.7	40.8	40.9	41.0	41.4	41.8	42.3	42.8	43.2	43.6	44.0	44.4
260	40.3	40.4	40.5	40.6	40.7	40.8	41.2	41.6	42.1	42.5	43.0	43.4	43.7	44.1
270	40.1	40.2	40.3	40.4	40.5	40.6	40.9	41.4	41.9	42.3	42.7	43.1	43.5	43.8
280	39.9	40.0	40.1	40.2	40.3	40.4	40.7	41.2	41.6	42.1	42.5	42.9	43.2	43.5
290	39.7	39.8	39.9	40.0	40.1	40.2	40.5	41.0	41.4	41.9	42.3	42.6	43.0	43.3
300	39.5	39.6	39.7	39.8	39.9	40.0	40.3	40.8	41.2	41.7	42.0	42.4	42.7	43.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 47. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	70.3	70.5	70.7	70.9	71.1	71.3	71.9	72.8	73.8	74.9	75.9	77.0	78.0	79.0
30	70.1	70.3	70.5	70.7	70.9	71.1	71.7	72.6	73.7	74.8	75.8	76.9	78.0	79.0
40	69.5	69.6	69.7	69.8	69.9	70.0	70.5	71.3	72.3	73.2	74.2	75.2	76.1	77.1
50	69.2	69.2	69.2	69.2	69.2	69.2	69.7	70.4	71.3	72.2	73.1	74.1	75.0	75.9
60	68.6	68.6	68.6	68.6	68.6	68.6	69.1	69.9	70.8	71.7	72.6	73.5	74.5	75.4
70	68.2	68.2	68.2	68.2	68.2	68.2	68.7	69.5	70.4	71.3	72.3	73.2	74.2	75.1
80	67.3	67.4	67.5	67.6	67.7	67.8	68.3	69.1	70.0	71.0	72.0	72.9	73.9	74.9
90	66.9	67.0	67.1	67.2	67.3	67.4	67.9	68.7	69.7	70.7	71.7	72.6	73.6	74.6
100	66.5	66.6	66.7	66.8	66.9	67.0	67.6	68.4	69.3	70.3	71.3	72.4	73.4	74.4
110	66.2	66.6	66.6	66.6	66.6	66.6	67.2	68.1	69.0	70.0	71.1	72.1	73.1	74.1
120	65.8	65.9	66.0	66.1	66.2	66.3	66.9	67.7	68.7	69.7	70.8	71.8	72.8	73.8
130	65.5	65.6	65.7	65.8	65.9	66.0	66.6	67.4	68.4	69.4	70.5	71.5	72.5	73.5
140	65.2	65.3	65.4	65.5	65.6	65.7	66.3	67.1	68.1	69.1	70.2	71.2	72.2	73.3
150	64.9	65.0	65.1	65.2	65.3	65.4	66.0	66.8	67.8	68.8	69.9	70.9	72.0	73.0
160	64.6	64.7	64.8	64.9	65.0	65.1	65.7	66.5	67.5	68.6	69.6	70.6	71.7	72.7
170	64.3	64.4	64.5	64.6	64.7	64.8	65.4	66.3	67.2	68.3	69.3	70.4	71.4	72.4
180	64.0	64.1	64.2	64.3	64.4	64.5	65.1	66.0	67.0	68.0	69.1	70.1	71.1	72.2
190	63.8	63.9	64.0	64.1	64.2	64.3	64.9	65.7	66.7	67.8	68.8	69.8	70.9	71.9
200	63.5	63.6	63.7	63.8	63.9	64.0	64.6	65.5	66.5	67.5	68.5	69.6	70.6	71.6
210	63.3	63.4	63.5	63.6	63.7	63.8	64.4	65.3	66.2	67.3	68.3	69.3	70.4	71.4
220	63.1	63.2	63.3	63.4	63.5	63.6	64.2	65.0	66.0	67.0	68.1	69.1	70.1	71.1
230	62.9	62.9	63.3	63.3	63.3	63.3	63.9	64.8	65.8	66.8	67.8	68.9	69.9	70.9
240	62.6	62.7	62.8	62.9	63.0	63.1	63.7	64.6	65.5	66.6	67.6	68.6	69.7	70.7
250	62.4	62.5	62.6	62.7	62.8	62.9	63.5	64.4	65.3	66.3	67.4	68.4	69.4	70.4
260	62.2	62.3	62.4	62.5	62.6	62.7	63.3	64.1	65.1	66.1	67.2	68.2	69.2	70.2
270	62.0	62.1	62.2	62.3	62.4	62.5	63.1	63.9	64.9	65.9	66.9	68.0	69.0	70.0
280	61.8	61.9	62.0	62.1	62.2	62.3	62.9	63.7	64.7	65.7	66.7	67.8	68.8	69.8
290	61.7	61.8	61.9	62.1	62.1	62.1	62.7	63.5	64.5	65.5	66.5	67.6	68.6	69.6
300	61.6	61.7	61.8	61.9	61.9	61.9	62.5	63.3	64.3	65.3	66.3	67.4	68.4	69.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 48. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	65.0	65.4	65.8	66.2	66.6	67.0	67.4	68.2	69.0	69.9	70.9	71.8	72.8	73.7
30	64.2	64.7	65.2	65.7	66.2	66.7	67.2	67.9	68.8	69.8	70.7	71.7	72.7	73.7
40	63.7	64.2	64.7	65.2	65.7	66.2	66.7	67.4	68.2	69.1	70.0	70.9	71.9	72.8
50	63.2	63.7	64.2	64.7	65.2	65.7	66.2	66.8	67.6	68.5	69.3	70.2	71.1	72.0
60	62.9	63.7	64.1	64.5	64.9	65.3	65.7	66.4	67.2	68.0	68.9	69.8	70.6	71.5
70	62.4	62.9	63.4	63.9	64.4	64.9	65.4	66.1	66.9	67.7	68.6	69.5	70.3	71.2
80	62.0	62.6	63.0	63.9	64.3	64.7	65.1	65.8	66.7	67.5	68.4	69.3	70.2	71.1
90	61.7	62.2	62.7	63.2	63.7	64.2	64.7	65.4	66.2	67.1	68.0	69.0	69.9	70.8
100	61.4	61.9	62.7	63.1	63.5	63.9	64.3	65.1	66.0	66.9	67.8	68.8	69.7	70.6
110	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.8	65.7	66.6	67.6	68.5	69.5	70.5
120	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.5	65.4	66.4	67.4	68.3	69.3	70.3
130	60.2	60.8	61.3	62.0	62.5	63.0	63.5	64.3	65.2	66.1	67.1	68.1	69.1	70.1
140	60.2	60.7	61.2	61.7	62.2	62.7	63.2	64.0	64.9	65.9	66.9	67.9	68.9	69.8
150	59.4	60.0	60.6	61.2	61.8	62.4	63.0	63.8	64.7	65.7	66.7	67.6	68.6	69.6
160	59.1	59.7	60.3	60.9	61.5	62.1	62.7	63.5	64.4	65.4	66.4	67.4	68.4	69.4
170	58.9	58.5	60.0	60.9	61.4	61.9	62.4	63.3	64.2	65.2	66.2	67.2	68.2	69.2
180	58.6	59.2	59.8	60.4	61.0	61.6	62.2	63.0	64.0	64.9	66.0	67.0	68.0	69.0
190	58.4	59.0	59.6	60.2	60.8	61.4	62.0	62.8	63.7	64.7	65.7	66.7	67.7	68.7
200	58.1	58.8	59.4	60.2	60.7	61.2	61.7	62.5	63.5	64.5	65.5	66.5	67.5	68.5
210	57.9	58.5	59.1	59.7	60.3	60.9	61.5	62.3	63.3	64.3	65.3	66.3	67.3	68.3
220	57.7	58.3	58.9	59.5	60.1	60.7	61.3	62.1	63.0	64.0	65.1	66.1	67.1	68.1
230	57.5	58.1	58.7	59.3	59.9	60.5	61.1	61.9	62.8	63.8	64.8	65.9	66.9	67.9
240	57.3	57.9	58.5	59.1	59.7	60.3	60.9	61.7	62.6	63.6	64.6	65.6	66.6	67.6
250	57.1	57.7	58.3	58.9	59.5	60.1	60.7	61.5	62.4	63.4	64.4	65.4	66.4	67.4
260	56.9	57.5	58.1	58.7	59.3	59.9	60.5	61.3	62.2	63.2	64.2	65.2	66.2	67.2
270	56.7	57.3	57.9	58.5	59.1	59.7	60.3	61.1	62.0	63.0	64.0	65.0	66.0	67.0
280	56.5	57.1	57.7	58.3	58.9	59.5	60.1	60.9	61.8	62.8	63.8	64.8	65.8	66.8
290	56.3	56.9	57.5	58.1	58.7	59.3	59.9	60.7	61.6	62.6	63.6	64.6	65.6	66.6
300	56.2	56.8	57.4	58.1	58.7	59.2	59.7	60.5	61.5	62.4	63.4	64.5	65.5	66.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 49. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	63.4	63.7	64.0	64.3	64.6	64.9	65.2	65.8	66.5	67.3	68.1	68.9	69.8	70.6
30	61.9	62.3	62.7	63.1	63.5	63.9	64.3	64.9	65.7	66.5	67.4	68.3	69.2	70.1
40	61.5	61.9	62.3	62.7	63.1	63.5	63.9	64.5	65.2	66.0	66.8	67.7	68.5	69.4
50	61.3	61.9	62.2	62.5	62.8	63.1	63.4	63.9	64.6	65.3	66.1	66.8	67.6	68.4
60	61.1	61.4	61.7	62.0	62.3	62.6	62.9	63.5	64.1	64.8	65.5	66.3	67.0	67.8
70	60.8	61.1	61.4	61.7	62.0	62.3	62.6	63.1	63.8	64.5	65.2	65.9	66.7	67.4
80	60.4	60.7	61.0	61.3	61.6	61.9	62.2	62.8	63.4	64.2	64.9	65.7	66.4	67.2
90	60.1	60.4	60.7	61.0	61.3	61.6	61.9	62.5	63.1	63.9	64.7	65.4	66.2	67.0
100	59.2	59.6	60.0	60.4	60.8	61.2	61.6	62.2	62.9	63.6	64.4	65.2	66.0	66.8
110	58.9	59.3	59.7	60.1	60.5	60.9	61.3	61.9	62.6	63.4	64.1	65.0	65.8	66.6
120	58.6	59.0	59.4	59.8	60.2	60.6	61.0	61.6	62.3	63.1	63.9	64.7	65.5	66.4
130	58.3	58.7	59.1	59.5	59.9	60.3	60.7	61.3	62.0	62.8	63.6	64.5	65.3	66.2
140	58.0	58.4	58.8	59.2	59.6	60.0	60.4	61.0	61.8	62.6	63.4	64.2	65.1	65.9
150	57.7	58.1	58.5	58.9	59.3	59.7	60.1	60.8	61.5	62.3	63.1	64.0	64.8	65.7
160	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.5	61.3	62.1	62.9	63.7	64.6	65.5
170	57.2	57.6	58.0	58.4	58.8	59.2	59.6	60.2	61.0	61.8	62.7	63.5	64.4	65.2
180	57.0	57.4	57.8	58.2	58.6	59.0	59.4	60.0	60.8	61.6	62.4	63.3	64.1	65.0
190	56.8	57.2	57.6	58.2	58.5	58.8	59.1	59.8	60.5	61.4	62.2	63.1	63.9	64.8
200	56.5	56.9	57.3	57.7	58.1	58.5	58.9	59.5	60.3	61.1	62.0	62.8	63.7	64.6
210	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.3	60.1	60.9	61.7	62.6	63.5	64.3
220	56.1	56.5	56.9	57.3	57.7	58.1	58.5	59.1	59.9	60.7	61.5	62.4	63.2	64.1
230	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.9	59.7	60.5	61.3	62.2	63.0	63.9
240	55.7	56.1	56.5	56.9	57.3	57.7	58.1	58.7	59.4	60.3	61.1	62.0	62.8	63.7
250	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.5	59.2	60.1	60.9	61.7	62.6	63.5
260	55.3	55.7	56.1	56.5	56.9	57.3	57.7	58.3	59.0	59.9	60.7	61.5	62.4	63.3
270	55.1	55.5	55.9	56.3	56.7	57.1	57.5	58.1	58.9	59.7	60.5	61.3	62.2	63.1
280	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.9	58.7	59.5	60.3	61.1	62.0	62.9
290	54.7	55.1	55.5	55.9	56.3	56.7	57.1	57.7	58.5	59.3	60.1	61.0	61.8	62.7
300	54.6	55.0	55.4	55.8	56.3	56.6	56.9	57.6	58.3	59.1	59.9	60.8	61.6	62.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 50. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	62.0	62.3	62.6	62.9	63.2	63.5	63.8	64.3	65.0	65.7	66.5	67.2	68.0	68.9
30	60.6	60.9	61.2	61.5	61.8	62.1	62.4	63.0	63.7	64.5	65.2	66.1	66.9	67.8
40	60.0	60.3	60.6	60.9	61.2	61.5	61.8	62.4	63.0	63.7	64.5	65.3	66.1	66.9
50	59.6	60.3	60.5	60.7	60.9	61.1	61.3	61.8	62.5	63.2	63.9	64.6	65.4	66.1
60	59.1	59.4	59.7	60.0	60.3	60.6	60.9	61.3	61.9	62.6	63.3	64.0	64.7	65.4
70	58.9	59.4	59.6	59.8	60.0	60.2	60.4	60.9	61.5	62.1	62.8	63.5	64.1	64.8
80	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.5	61.1	61.7	62.4	63.1	63.8	64.5
90	57.9	58.2	58.5	58.8	59.1	59.4	59.7	60.2	60.8	61.4	62.1	62.8	63.5	64.2
100	57.8	58.0	58.5	58.7	58.9	59.1	59.3	59.8	60.4	61.1	61.8	62.5	63.2	63.9
110	57.2	57.5	57.8	58.1	58.4	58.7	59.0	59.5	60.1	60.8	61.5	62.2	62.9	63.7
120	56.9	57.2	57.5	57.8	58.1	58.4	58.7	59.2	59.9	60.5	61.2	62.0	62.7	63.4
130	56.6	56.9	57.2	57.5	57.8	58.1	58.4	58.9	59.6	60.3	61.0	61.7	62.4	63.2
140	56.3	56.6	56.9	57.2	57.5	57.8	58.1	58.6	59.3	60.0	60.7	61.4	62.2	63.0
150	56.0	56.3	56.6	56.9	57.2	57.5	57.8	58.4	59.0	59.7	60.4	61.2	61.9	62.7
160	55.8	56.1	56.4	56.7	57.0	57.3	57.6	58.1	58.8	59.5	60.2	60.9	61.7	62.5
170	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.9	58.5	59.2	59.9	60.7	61.5	62.2
180	55.3	55.6	55.9	56.2	56.5	56.8	57.1	57.6	58.3	59.0	59.7	60.5	61.2	62.0
190	55.0	55.3	55.6	55.9	56.2	56.5	56.8	57.4	58.0	58.7	59.5	60.2	61.0	61.8
200	54.8	55.1	55.4	55.7	56.0	56.3	56.6	57.1	57.8	58.5	59.2	60.0	60.7	61.5
210	54.6	54.9	55.2	55.5	55.8	56.1	56.4	56.9	57.6	58.3	59.0	59.7	60.5	61.3
220	54.3	54.6	54.9	55.2	55.5	55.8	56.1	56.7	57.3	58.0	58.8	59.5	60.3	61.1
230	54.1	54.4	54.7	55.0	55.3	55.6	55.9	56.5	57.1	57.8	58.5	59.3	60.1	60.8
240	53.9	54.2	54.5	54.8	55.1	55.4	55.7	56.2	56.9	57.6	58.3	59.1	59.8	60.6
250	53.7	54.0	54.3	54.6	54.9	55.2	55.5	56.0	56.7	57.4	58.1	58.9	59.6	60.4
260	53.5	53.8	54.1	54.4	54.7	55.0	55.3	55.8	56.5	57.2	57.9	58.6	59.4	60.2
270	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.6	56.3	57.0	57.7	58.4	59.2	60.0
280	53.1	53.4	53.9	54.0	54.5	54.7	54.9	55.5	56.1	56.8	57.5	58.2	59.0	59.8
290	52.9	53.2	53.7	53.8	54.3	54.5	54.7	55.3	55.9	56.6	57.3	58.0	58.8	59.5
300	52.8	53.1	53.4	53.7	54.0	54.3	54.6	55.1	55.7	56.4	57.1	57.8	58.6	59.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 51. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	61.0	61.2	61.4	61.6	61.8	62.0	62.2	62.7	63.3	64.0	64.7	65.4	66.2	66.9
30	59.2	59.5	59.8	60.1	60.4	60.7	61.0	61.5	62.1	62.8	63.5	64.2	65.0	65.7
40	58.5	58.8	59.1	59.4	59.7	60.0	60.3	60.8	61.4	62.1	62.8	63.5	64.3	65.1
50	58.4	58.6	58.8	59.0	59.2	59.4	59.6	60.1	60.7	61.3	62.0	62.7	63.4	64.1
60	57.9	58.1	58.3	58.5	58.7	58.9	59.1	59.5	60.1	60.7	61.3	62.0	62.6	63.3
70	57.4	57.6	57.8	58.0	58.2	58.4	58.6	59.1	59.6	60.2	60.8	61.4	62.1	62.7
80	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.6	59.2	59.8	60.4	61.0	61.6	62.3
90	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.3	58.8	59.4	60.0	60.6	61.3	61.9
100	55.7	56.0	56.3	56.6	56.9	57.2	57.5	57.9	58.5	59.1	59.7	60.3	61.0	61.6
110	55.7	55.9	56.3	56.5	56.7	56.9	57.1	57.6	58.2	58.8	59.4	60.0	60.7	61.4
120	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.3	57.8	58.5	59.1	59.7	60.4	61.1
130	55.3	55.5	55.7	55.9	56.1	56.3	56.5	57.0	57.6	58.2	58.8	59.5	60.2	60.8
140	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.7	57.3	57.9	58.6	59.2	59.9	60.6
150	54.7	54.9	55.1	55.3	55.5	55.7	55.9	56.4	57.0	57.6	58.3	59.0	59.6	60.4
160	54.4	54.6	54.8	55.0	55.2	55.4	55.6	56.1	56.7	57.4	58.0	58.7	59.4	60.1
170	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.9	56.5	57.1	57.8	58.5	59.2	59.9
180	53.4	53.7	54.0	54.5	54.7	54.9	55.1	55.6	56.2	56.9	57.5	58.2	58.9	59.6
190	53.1	53.4	53.7	54.0	54.3	54.6	54.9	55.4	56.0	56.6	57.3	58.0	58.7	59.4
200	52.9	53.2	53.5	53.8	54.1	54.4	54.7	55.1	55.7	56.4	57.1	57.8	58.5	59.2
210	52.7	53.2	53.5	53.8	54.0	54.2	54.4	54.9	55.5	56.2	56.8	57.5	58.2	59.0
220	52.5	53.2	53.4	53.6	53.8	54.0	54.2	54.7	55.3	55.9	56.6	57.3	58.0	58.7
230	52.2	52.5	52.8	53.1	53.4	53.7	54.0	54.5	55.1	55.7	56.4	57.1	57.8	58.5
240	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.3	54.9	55.5	56.2	56.9	57.6	58.3
250	51.8	52.1	52.4	52.7	53.0	53.3	53.6	54.1	54.7	55.3	56.0	56.7	57.4	58.1
260	51.6	51.9	52.2	52.5	52.8	53.1	53.4	53.9	54.5	55.1	55.8	56.5	57.2	57.9
270	51.4	51.7	52.0	52.3	52.6	52.9	53.2	53.7	54.3	54.9	55.6	56.3	57.0	57.7
280	51.4	51.7	52.0	52.3	52.6	52.8	53.0	53.5	54.1	54.7	55.4	56.1	56.8	57.5
290	51.4	51.6	52.0	52.2	52.4	52.6	52.8	53.3	53.9	54.5	55.2	55.9	56.6	57.3
300	51.4	51.6	51.8	52.0	52.2	52.4	52.6	53.1	53.7	54.3	55.0	55.7	56.4	57.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 52. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	60.2	60.4	60.6	60.8	61.0	61.2	61.4	61.9	62.5	63.2	63.9	64.6	65.4	66.2
30	58.9	59.1	59.3	59.5	59.7	59.9	60.1	60.5	61.1	61.7	62.4	63.0	63.7	64.4
40	57.9	58.1	58.3	58.5	58.7	58.9	59.1	59.6	60.2	60.8	61.5	62.2	62.9	63.6
50	57.3	57.5	57.7	57.9	58.1	58.3	58.5	59.0	59.5	60.2	60.8	61.5	62.2	62.9
60	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.4	59.0	59.5	60.1	60.8	61.4	62.1
70	56.6	57.0	57.1	57.2	57.3	57.4	57.5	57.9	58.4	59.0	59.5	60.1	60.7	61.4
80	55.9	56.1	56.3	56.5	56.7	56.9	57.1	57.5	58.0	58.5	59.1	59.6	60.2	60.8
90	55.6	55.8	56.3	56.4	56.5	56.6	56.7	57.1	57.6	58.1	58.7	59.2	59.8	60.4
100	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.7	57.2	57.8	58.3	58.9	59.4	60.0
110	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.4	56.9	57.4	58.0	58.5	59.1	59.7
120	54.5	54.7	54.9	55.1	55.3	55.5	55.7	56.1	56.6	57.1	57.7	58.2	58.8	59.4
130	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.8	56.3	56.8	57.4	58.0	58.5	59.1
140	53.9	54.1	54.3	54.5	54.7	54.9	55.1	55.5	56.0	56.6	57.1	57.7	58.3	58.9
150	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.2	55.7	56.3	56.9	57.4	58.0	58.6
160	53.4	53.6	53.7	54.2	54.3	54.4	54.5	55.0	55.5	56.0	56.6	57.2	57.8	58.4
170	53.1	53.3	53.5	53.7	53.9	54.1	54.3	54.7	55.2	55.8	56.4	56.9	57.6	58.2
180	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.4	55.0	55.5	56.1	56.7	57.3	57.9
190	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.2	54.7	55.3	55.9	56.5	57.1	57.7
200	52.4	52.6	52.8	53.0	53.2	53.4	53.6	54.0	54.5	55.1	55.7	56.3	56.9	57.5
210	52.1	52.3	52.5	52.7	52.9	53.1	53.3	53.8	54.3	54.8	55.4	56.0	56.7	57.3
220	51.9	52.1	52.3	52.5	52.7	52.9	53.1	53.5	54.1	54.6	55.2	55.8	56.4	57.1
230	51.7	51.9	52.1	52.3	52.5	52.7	52.9	53.3	53.8	54.4	55.0	55.6	56.2	56.9
240	51.5	51.7	51.9	52.1	52.3	52.5	52.7	53.1	53.6	54.2	54.8	55.4	56.0	56.7
250	51.3	51.5	51.7	51.9	52.1	52.3	52.5	52.9	53.4	54.0	54.6	55.2	55.8	56.5
260	51.1	51.3	51.5	51.7	51.9	52.1	52.3	52.7	53.3	53.8	54.4	55.0	55.6	56.3
270	50.9	51.1	51.3	51.5	51.7	51.9	52.1	52.5	53.1	53.6	54.2	54.8	55.5	56.1
280	50.7	50.9	51.1	51.3	51.5	51.7	51.9	52.4	52.9	53.5	54.0	54.6	55.3	55.9
290	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.2	52.7	53.3	53.9	54.5	55.1	55.7
300	50.4	50.6	50.8	51.0	51.2	51.4	51.6	52.0	52.5	53.1	53.7	54.3	54.9	55.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 53. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	59.3	59.5	59.7	59.9	60.1	60.3	60.5	60.9	61.5	62.1	62.8	63.5	64.2	64.9
30	58.3	58.5	58.7	58.9	59.1	59.3	59.5	59.9	60.4	61.0	61.6	62.2	62.8	63.5
40	57.7	57.8	57.9	58.0	58.1	58.2	58.3	58.8	59.3	59.9	60.6	61.2	61.9	62.6
50	57.0	57.1	57.2	57.3	57.4	57.5	57.6	58.1	58.6	59.2	59.8	60.4	61.1	61.8
60	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.5	58.0	58.6	59.2	59.8	60.4	61.1
70	56.0	56.1	56.2	56.3	56.4	56.5	56.6	57.0	57.5	58.0	58.6	59.2	59.8	60.4
80	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.6	57.0	57.5	58.1	58.6	59.2	59.8
90	55.2	55.3	55.4	55.5	55.6	55.7	55.8	56.2	56.6	57.1	57.6	58.1	58.7	59.2
100	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.8	56.2	56.7	57.2	57.8	58.3	58.8
110	53.9	54.1	54.3	54.5	54.7	54.9	55.1	55.4	55.9	56.4	56.9	57.4	57.9	58.5
120	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.1	55.6	56.1	56.6	57.1	57.7	58.2
130	53.3	53.5	53.7	53.9	54.1	54.3	54.5	54.8	55.3	55.8	56.3	56.8	57.4	57.9
140	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.5	55.0	55.5	56.0	56.6	57.1	57.7
150	52.7	52.9	53.1	53.3	53.5	53.7	53.9	54.3	54.7	55.3	55.8	56.3	56.9	57.5
160	52.5	52.7	52.9	53.3	53.4	53.5	53.6	54.0	54.5	55.0	55.5	56.1	56.7	57.2
170	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.7	54.2	54.8	55.3	55.9	56.4	57.0
180	51.9	52.1	52.3	52.5	52.7	52.9	53.1	53.5	54.0	54.5	55.1	55.6	56.2	56.8
190	51.7	51.9	52.1	52.3	52.5	52.7	52.9	53.3	53.8	54.3	54.8	55.4	56.0	56.6
200	51.5	51.7	51.8	52.3	52.4	52.5	52.6	53.0	53.5	54.1	54.6	55.2	55.8	56.4
210	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.8	53.3	53.8	54.4	55.0	55.6	56.2
220	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.6	53.1	53.6	54.2	54.8	55.4	56.0
230	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.4	52.9	53.4	54.0	54.6	55.1	55.7
240	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.2	52.7	53.2	53.8	54.3	54.9	55.5
250	50.4	50.6	50.8	51.0	51.2	51.4	51.6	52.0	52.5	53.0	53.6	54.1	54.7	55.3
260	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.8	52.3	52.8	53.4	53.9	54.5	55.1
270	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.6	52.1	52.6	53.2	53.7	54.3	54.9
280	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.4	51.9	52.4	53.0	53.6	54.1	54.7
290	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.2	51.7	52.2	52.8	53.4	53.9	54.6
300	50.0	50.1	50.2	50.3	50.4	50.5	50.6	51.0	51.5	52.1	52.6	53.2	53.8	54.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 54. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	58.4	58.6	58.8	59.0	59.2	59.4	59.6	60.1	60.6	61.2	61.8	62.4	63.1	63.8
30	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.2	59.7	60.3	60.8	61.5	62.1	62.8
40	56.5	56.7	56.9	57.1	57.3	57.5	57.7	58.1	58.6	59.2	59.8	60.4	61.0	61.7
50	55.7	55.9	56.1	56.3	56.5	56.7	56.9	57.3	57.8	58.3	58.9	59.4	60.0	60.7
60	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.7	57.2	57.7	58.3	58.8	59.4	60.1
70	55.2	55.3	55.4	55.5	55.6	55.7	55.8	56.2	56.7	57.2	57.7	58.3	58.9	59.5
80	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.7	56.2	56.7	57.2	57.7	58.3	58.9
90	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.2	55.7	56.2	56.7	57.2	57.7	58.3
100	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.8	55.2	55.7	56.2	56.7	57.2	57.7
110	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.4	54.9	55.3	55.8	56.3	56.8	57.3
120	53.1	53.2	53.3	53.4	53.5	53.6	53.7	54.1	54.5	55.0	55.4	55.9	56.4	56.9
130	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.7	54.2	54.6	55.1	55.6	56.1	56.6
140	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.4	53.9	54.3	54.8	55.3	55.8	56.3
150	52.2	52.3	52.4	52.5	52.6	52.7	52.8	53.1	53.6	54.0	54.5	55.0	55.5	56.0
160	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.9	53.3	53.8	54.3	54.7	55.3	55.8
170	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.6	53.0	53.5	54.0	54.5	55.0	55.5
180	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.3	52.8	53.3	53.8	54.3	54.8	55.3
190	51.1	51.2	51.3	51.4	51.5	51.6	51.7	52.1	52.6	53.0	53.5	54.0	54.6	55.1
200	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.9	52.3	52.8	53.3	53.8	54.3	54.9
210	50.1	50.3	50.5	50.7	50.9	51.1	51.3	51.6	52.1	52.6	53.1	53.6	54.1	54.7
220	49.9	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.9	52.4	52.9	53.4	53.9	54.5
230	49.9	50.0	50.2	50.5	50.6	50.7	50.8	51.2	51.7	52.2	52.7	53.2	53.7	54.3
240	49.8	50.0	50.1	50.3	50.4	50.5	50.6	51.0	51.5	52.0	52.5	53.0	53.5	54.1
250	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.8	51.3	51.8	52.3	52.8	53.4	53.9
260	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.6	51.1	51.6	52.1	52.6	53.2	53.7
270	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.4	50.9	51.4	51.9	52.4	53.0	53.6
280	48.7	48.9	49.1	49.3	49.5	49.7	49.9	50.2	50.7	51.2	51.7	52.3	52.8	53.4
290	48.5	48.7	48.9	49.1	49.3	49.5	49.7	50.1	50.5	51.0	51.6	52.1	52.6	53.2
300	48.4	48.6	48.8	49.0	49.3	49.4	49.5	49.9	50.4	50.9	51.4	51.9	52.5	53.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 55. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	58.3	58.4	58.5	58.6	58.7	58.8	58.9	59.4	59.9	60.5	61.1	61.8	62.4	63.1
30	57.5	57.6	57.7	57.8	57.9	58.0	58.1	58.5	59.0	59.5	60.0	60.6	61.2	61.8
40	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.5	58.0	58.5	59.0	59.6	60.2	60.8
50	55.8	55.9	56.0	56.1	56.2	56.3	56.4	56.8	57.2	57.8	58.3	58.9	59.4	60.1
60	55.2	55.3	55.4	55.5	55.6	55.7	55.8	56.2	56.6	57.2	57.7	58.3	58.9	59.5
70	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.6	56.0	56.5	57.0	57.6	58.2	58.7
80	54.1	54.2	54.3	54.4	54.5	54.6	54.7	55.0	55.5	55.9	56.4	56.9	57.5	58.0
90	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.5	55.0	55.4	55.9	56.3	56.8	57.4
100	53.2	53.3	53.4	53.5	53.6	53.7	53.8	54.1	54.5	55.0	55.4	55.9	56.3	56.8
110	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.7	54.1	54.6	55.0	55.4	55.9	56.4
120	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.4	53.8	54.2	54.6	55.1	55.5	56.0
130	52.1	52.2	52.3	52.4	52.5	52.6	52.7	53.0	53.4	53.9	54.3	54.8	55.2	55.7
140	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.7	53.1	53.6	54.0	54.5	54.9	55.4
150	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.4	52.9	53.3	53.8	54.2	54.7	55.2
160	51.2	51.3	51.4	51.5	51.6	51.7	51.8	52.2	52.6	53.0	53.5	54.0	54.4	54.9
170	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.9	52.3	52.8	53.2	53.7	54.2	54.7
180	50.7	50.8	50.9	51.0	51.1	51.2	51.3	51.6	52.1	52.5	53.0	53.5	54.0	54.5
190	49.9	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.8	52.3	52.8	53.3	53.8	54.3
200	49.8	50.0	50.2	50.5	50.6	50.7	50.8	51.1	51.6	52.1	52.5	53.0	53.5	54.1
210	49.7	49.9	50.1	50.3	50.4	50.5	50.6	50.9	51.4	51.8	52.3	52.8	53.3	53.8
220	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.7	51.1	51.6	52.1	52.6	53.1	53.6
230	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.5	50.9	51.4	51.9	52.4	52.9	53.4
240	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.3	50.7	51.2	51.7	52.2	52.7	53.2
250	49.1	49.2	49.3	49.4	49.5	49.6	49.7	50.0	50.5	51.0	51.5	52.0	52.5	53.0
260	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.8	50.3	50.8	51.2	51.8	52.3	52.8
270	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.6	50.1	50.6	51.0	51.6	52.1	52.6
280	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.4	49.9	50.4	50.9	51.4	51.9	52.4
290	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.3	49.7	50.2	50.7	51.2	51.7	52.2
300	48.1	48.2	48.3	48.4	48.5	48.6	48.7	49.1	49.5	50.0	50.5	51.0	51.5	52.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 56. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	66.8	67.5	68.2	68.9	69.6	70.3	71.0	72.0	73.0	74.1	75.2	76.3	77.4	78.4
30	65.3	66.1	66.9	67.7	68.5	69.3	70.1	71.1	72.2	73.3	74.5	75.6	76.7	77.8
40	64.4	65.2	66.0	66.8	67.6	68.4	69.2	70.2	71.3	72.4	73.6	74.7	75.8	76.9
50	63.9	64.6	65.3	66.0	66.7	67.4	68.1	69.1	70.2	71.3	72.4	73.5	74.6	75.7
60	63.0	63.7	64.4	65.1	65.8	66.5	67.2	68.1	69.2	70.3	71.4	72.4	73.5	74.6
70	62.1	62.8	63.5	64.2	64.9	65.6	66.3	67.2	68.2	69.3	70.4	71.4	72.5	73.5
80	61.8	62.4	63.0	63.6	64.2	64.8	65.4	66.3	67.3	68.4	69.4	70.5	71.5	72.5
90	61.1	61.7	62.3	62.9	63.5	64.1	64.7	65.5	66.5	67.5	68.6	69.6	70.6	71.6
100	60.3	60.9	61.5	62.1	62.7	63.3	63.9	64.8	65.7	66.7	67.7	68.7	69.7	70.7
110	60.2	60.7	61.2	61.7	62.2	62.7	63.2	64.0	64.9	65.9	66.9	67.9	68.8	69.8
120	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.3	64.2	65.2	66.1	67.1	68.0	68.9
130	58.9	59.4	59.9	60.4	60.9	61.4	61.9	62.7	63.5	64.4	65.4	66.3	67.2	68.1
140	58.3	58.8	59.3	59.8	60.3	60.8	61.3	62.0	62.9	63.8	64.7	65.6	66.5	67.4
150	58.3	58.7	59.1	59.5	59.9	60.3	60.7	61.4	62.2	63.1	64.0	64.9	65.8	66.6
160	57.2	57.7	58.2	58.7	59.2	59.7	60.2	60.8	61.6	62.5	63.3	64.2	65.1	65.9
170	57.2	57.6	58.0	58.4	58.8	59.2	59.6	60.3	61.1	61.9	62.7	63.6	64.4	65.3
180	57.0	57.6	57.9	58.2	58.5	58.8	59.1	59.8	60.5	61.3	62.1	62.9	63.8	64.6
190	56.8	57.1	57.4	57.7	58.0	58.3	58.6	59.3	60.0	60.8	61.5	62.4	63.2	64.0
200	56.4	56.7	57.0	57.3	57.6	57.9	58.2	58.8	59.5	60.2	61.0	61.8	62.6	63.4
210	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58.3	59.0	59.7	60.5	61.2	62.0	62.8
220	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.9	58.5	59.2	60.0	60.7	61.5	62.2
230	55.1	55.4	55.7	56.0	56.3	56.6	56.9	57.4	58.1	58.8	59.5	60.2	61.0	61.7
240	55.0	55.3	55.7	55.9	56.1	56.3	56.5	57.0	57.6	58.3	59.0	59.7	60.5	61.2
250	54.9	55.1	55.3	55.5	55.7	55.9	56.1	56.6	57.2	57.9	58.6	59.3	60.0	60.7
260	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.3	56.8	57.5	58.1	58.8	59.5	60.2
270	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.9	56.5	57.1	57.7	58.4	59.1	59.8
280	53.9	54.1	54.3	54.5	54.7	54.9	55.1	55.6	56.1	56.7	57.3	58.0	58.6	59.3
290	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.2	55.8	56.3	56.9	57.6	58.2	58.9
300	53.5	53.7	53.9	54.2	54.3	54.4	54.5	54.9	55.4	56.0	56.6	57.2	57.8	58.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 57. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	63.6	64.1	64.6	65.1	65.6	66.1	66.6	67.4	68.3	69.3	70.3	71.3	72.2	73.2
30	62.8	63.3	63.8	64.3	64.8	65.3	65.8	66.7	67.7	68.7	69.7	70.8	71.9	72.9
40	61.6	62.2	62.8	63.4	64.0	64.6	65.2	66.0	67.0	68.0	69.1	70.2	71.2	72.3
50	60.8	61.4	62.0	62.6	63.2	63.8	64.4	65.3	66.3	67.3	68.4	69.5	70.5	71.6
60	60.7	61.2	61.7	62.2	62.7	63.2	63.7	64.6	65.6	66.6	67.7	68.8	69.8	70.8
70	59.5	60.1	60.7	61.3	61.9	62.5	63.1	63.9	64.9	66.0	67.0	68.1	69.1	70.1
80	58.9	59.5	60.1	60.7	61.3	61.9	62.5	63.3	64.3	65.3	66.4	67.4	68.4	69.4
90	58.2	58.8	59.4	60.0	60.6	61.2	61.8	62.6	63.6	64.6	65.6	66.6	67.6	68.6
100	58.2	58.7	59.2	59.7	60.2	60.7	61.2	62.0	62.9	63.9	64.9	65.9	66.9	67.9
110	57.6	58.1	58.6	59.1	59.6	60.1	60.6	61.4	62.3	63.3	64.2	65.2	66.2	67.1
120	57.1	57.6	58.1	58.6	59.1	59.6	60.1	60.8	61.7	62.6	63.6	64.5	65.5	66.4
130	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.3	61.1	62.0	63.0	63.9	64.8	65.7
140	56.3	57.0	57.4	57.8	58.2	58.6	59.0	59.7	60.6	61.4	62.3	63.2	64.1	65.0
150	56.1	56.5	56.9	57.3	57.7	58.1	58.5	59.2	60.0	60.9	61.8	62.6	63.5	64.4
160	55.1	55.6	56.1	56.6	57.1	57.6	58.1	58.7	59.5	60.3	61.2	62.0	62.9	63.8
170	55.0	55.6	56.0	56.4	56.8	57.2	57.6	58.2	59.0	59.8	60.6	61.5	62.3	63.2
180	54.8	55.2	55.6	56.0	56.4	56.8	57.2	57.8	58.5	59.3	60.1	60.9	61.7	62.6
190	54.7	55.2	55.5	55.8	56.1	56.4	56.7	57.3	58.0	58.8	59.6	60.4	61.2	62.0
200	54.5	54.8	55.1	55.4	55.7	56.0	56.3	56.9	57.6	58.3	59.1	59.9	60.6	61.4
210	54.1	54.4	54.7	55.0	55.3	55.6	55.9	56.4	57.1	57.8	58.6	59.4	60.1	60.9
220	53.7	54.0	54.3	54.6	54.9	55.2	55.5	56.0	56.7	57.4	58.1	58.9	59.6	60.4
230	53.9	54.1	54.3	54.5	54.7	54.9	55.1	55.6	56.3	57.0	57.7	58.4	59.1	59.9
240	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.3	55.9	56.5	57.2	57.9	58.7	59.4
250	52.6	53.1	53.6	53.8	54.0	54.2	54.4	54.9	55.5	56.1	56.8	57.5	58.2	58.9
260	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.5	55.1	55.7	56.4	57.1	57.8	58.5
270	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.2	54.8	55.4	56.0	56.7	57.3	58.0
280	51.9	52.2	52.6	52.8	53.0	53.2	53.4	53.9	54.4	55.0	55.6	56.3	56.9	57.6
290	51.8	52.1	52.4	52.8	52.9	53.0	53.1	53.6	54.1	54.7	55.3	55.9	56.5	57.2
300	51.7	51.9	52.1	52.3	52.5	52.7	52.9	53.3	53.8	54.3	54.9	55.5	56.1	56.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 58. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	62.1	62.5	62.9	63.3	63.7	64.1	64.5	65.1	65.8	66.6	67.4	68.3	69.2	70.1
30	60.4	60.8	61.2	61.6	62.0	62.4	62.8	63.5	64.3	65.2	66.2	67.1	68.1	69.0
40	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.6	63.5	64.4	65.3	66.3	67.2	68.2
50	58.7	59.1	59.5	59.9	60.3	60.7	61.1	61.8	62.6	63.5	64.4	65.3	66.3	67.3
60	58.5	58.8	59.1	59.4	59.7	60.0	60.3	61.0	61.8	62.7	63.6	64.5	65.4	66.4
70	57.8	58.1	58.4	58.7	59.0	59.3	59.6	60.3	61.0	61.9	62.8	63.7	64.6	65.6
80	57.1	57.4	57.7	58.0	58.3	58.6	58.9	59.6	60.3	61.1	62.0	62.9	63.8	64.8
90	56.5	56.8	57.1	57.4	57.7	58.0	58.3	58.9	59.6	60.5	61.3	62.2	63.1	64.0
100	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58.3	59.0	59.8	60.6	61.5	62.4	63.2
110	55.3	55.6	55.9	56.2	56.5	56.8	57.1	57.7	58.4	59.2	60.0	60.8	61.6	62.5
120	54.8	55.1	55.4	55.7	56.0	56.3	56.6	57.1	57.8	58.5	59.3	60.1	61.0	61.8
130	54.3	54.6	54.9	55.2	55.5	55.8	56.1	56.6	57.3	58.0	58.7	59.5	60.3	61.1
140	54.1	54.6	54.8	55.0	55.2	55.4	55.6	56.1	56.7	57.4	58.1	58.9	59.7	60.5
150	53.9	54.1	54.3	54.5	54.7	54.9	55.1	55.6	56.2	56.9	57.6	58.3	59.1	59.9
160	53.5	53.7	53.9	54.1	54.3	54.5	54.7	55.2	55.7	56.4	57.1	57.8	58.5	59.3
170	53.1	53.3	53.5	53.7	53.9	54.1	54.3	54.7	55.3	55.9	56.6	57.2	58.0	58.7
180	52.7	52.9	53.1	53.3	53.5	53.7	53.9	54.3	54.9	55.5	56.1	56.7	57.4	58.1
190	52.7	52.8	53.1	53.2	53.3	53.4	53.5	53.9	54.5	55.0	55.6	56.3	56.9	57.6
200	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.6	54.1	54.6	55.2	55.8	56.5	57.1
210	51.7	51.9	52.1	52.3	52.5	52.7	52.9	53.2	53.7	54.2	54.8	55.4	56.0	56.6
220	51.7	51.8	52.1	52.2	52.3	52.4	52.5	52.9	53.3	53.9	54.4	55.0	55.6	56.2
230	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.6	53.0	53.5	54.0	54.5	55.1	55.7
240	51.3	51.6	51.7	51.9	51.9	51.9	51.9	52.3	52.7	53.1	53.6	54.2	54.7	55.3
250	51.1	51.2	51.3	51.4	51.5	51.6	51.7	52.0	52.4	52.8	53.3	53.8	54.3	54.9
260	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.7	52.1	52.5	53.0	53.4	54.0	54.5
270	50.6	50.9	51.0	51.1	51.1	51.1	51.1	51.4	51.8	52.2	52.7	53.1	53.6	54.1
280	50.4	50.9	50.9	50.9	50.9	50.9	50.9	51.2	51.5	51.9	52.4	52.8	53.3	53.8
290	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.9	51.3	51.7	52.1	52.5	52.9	53.4
300	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.7	51.0	51.4	51.8	52.2	52.6	53.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 59. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	61.6	61.8	62.0	62.2	62.4	62.6	62.8	63.4	64.0	64.7	65.5	66.3	67.1	67.9
30	59.1	59.4	59.7	60.0	60.3	60.6	60.9	61.5	62.3	63.1	63.9	64.8	65.7	66.6
40	58.1	58.4	58.7	59.0	59.3	59.6	59.9	60.5	61.2	62.0	62.9	63.7	64.6	65.5
50	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.6	60.3	61.1	61.9	62.8	63.6	64.5
60	56.4	56.7	57.0	57.3	57.6	57.9	58.2	58.8	59.4	60.2	61.0	61.8	62.7	63.6
70	55.7	56.0	56.3	56.6	56.9	57.2	57.5	58.0	58.7	59.4	60.2	61.0	61.9	62.7
80	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.3	58.0	58.7	59.4	60.2	61.0	61.9
90	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.7	57.3	58.0	58.7	59.5	60.3	61.1
100	54.4	54.6	54.8	55.0	55.2	55.4	55.6	56.1	56.7	57.3	58.0	58.8	59.6	60.4
110	54.4	54.5	54.6	54.7	54.8	54.9	55.0	55.5	56.1	56.7	57.4	58.1	58.9	59.7
120	53.3	53.5	53.7	53.9	54.1	54.3	54.5	54.9	55.5	56.1	56.8	57.5	58.2	59.0
130	53.0	53.5	53.6	53.7	53.8	53.9	54.0	54.4	55.0	55.6	56.2	56.9	57.6	58.3
140	52.4	52.6	52.8	53.0	53.2	53.4	53.6	54.0	54.5	55.0	55.6	56.3	57.0	57.7
150	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.5	54.0	54.5	55.1	55.7	56.4	57.1
160	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.1	53.6	54.1	54.6	55.2	55.8	56.5
170	51.5	51.6	52.0	52.1	52.2	52.3	52.4	52.7	53.1	53.6	54.2	54.7	55.3	55.9
180	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.3	52.7	53.2	53.7	54.2	54.8	55.4
190	51.1	51.2	51.3	51.4	51.5	51.6	51.7	52.0	52.4	52.8	53.3	53.8	54.3	54.9
200	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.6	52.0	52.4	52.9	53.4	53.9	54.5
210	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.3	51.7	52.1	52.5	53.0	53.5	54.0
220	50.2	50.3	50.4	50.5	50.6	50.7	50.8	51.0	51.4	51.8	52.2	52.6	53.1	53.6
230	50.2	50.3	50.3	50.5	50.5	50.5	50.5	50.7	51.1	51.4	51.8	52.2	52.7	53.2
240	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.8	51.1	51.5	51.9	52.3	52.8
250	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.2	50.5	50.9	51.2	51.6	52.0	52.4
260	49.8	49.8	49.8	50.0	49.9	49.8	49.7	50.0	50.3	50.6	50.9	51.3	51.6	52.0
270	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.7	50.0	50.3	50.6	51.0	51.3	51.7
280	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.8	50.1	50.4	50.7	51.0	51.4
290	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3	49.5	49.8	50.1	50.4	50.7	51.1
300	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1	49.3	49.6	49.9	50.2	50.4	50.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 60. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	59.9	60.1	60.3	60.5	60.7	60.9	61.1	61.6	62.2	62.9	63.6	64.3	65.1	65.9
30	57.8	58.1	58.4	58.7	59.0	59.3	59.6	60.1	60.8	61.5	62.3	63.1	63.9	64.7
40	56.6	56.9	57.2	57.5	57.8	58.1	58.4	58.9	59.6	60.3	61.1	61.9	62.8	63.6
50	55.7	56.0	56.3	56.6	56.9	57.2	57.5	58.0	58.6	59.3	60.1	60.9	61.7	62.6
60	54.9	55.2	55.5	55.8	56.1	56.4	56.7	57.1	57.8	58.4	59.2	59.9	60.8	61.6
70	54.7	54.9	55.1	55.3	55.5	55.7	55.9	56.4	57.0	57.6	58.3	59.1	59.9	60.7
80	54.1	54.3	54.5	54.7	54.9	55.1	55.3	55.7	56.3	56.9	57.6	58.3	59.1	59.9
90	53.5	53.7	53.9	54.1	54.3	54.5	54.7	55.1	55.6	56.2	56.9	57.6	58.3	59.1
100	52.9	53.1	53.3	53.5	53.7	53.9	54.1	54.5	55.0	55.6	56.2	56.9	57.6	58.4
110	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.9	54.5	55.0	55.6	56.3	57.0	57.7
120	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.4	53.9	54.5	55.0	55.7	56.3	57.0
130	52.0	52.1	52.2	52.3	52.4	52.5	52.6	53.0	53.4	53.9	54.5	55.1	55.7	56.4
140	51.6	51.7	51.8	51.9	52.0	52.1	52.2	52.5	53.0	53.5	54.0	54.6	55.2	55.8
150	51.2	51.3	51.4	51.5	51.6	51.7	51.8	52.1	52.5	53.0	53.5	54.0	54.6	55.2
160	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.7	52.1	52.6	53.0	53.6	54.1	54.7
170	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.3	51.7	52.2	52.6	53.1	53.6	54.2
180	50.5	50.5	50.7	50.7	50.7	50.7	50.7	51.0	51.4	51.8	52.2	52.7	53.2	53.7
190	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.7	51.0	51.4	51.8	52.3	52.7	53.3
200	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.4	50.7	51.1	51.5	51.9	52.3	52.8
210	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.1	50.4	50.7	51.1	51.5	51.9	52.4
220	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.8	50.1	50.4	50.8	51.1	51.5	52.0
230	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.5	49.8	50.1	50.5	50.8	51.2	51.6
240	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.2	49.5	49.8	50.2	50.5	50.9	51.2
250	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.3	49.6	49.9	50.2	50.5	50.9
260	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.8	49.0	49.3	49.6	49.9	50.2	50.6
270	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5	48.8	49.1	49.3	49.6	49.9	50.2
280	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.6	48.8	49.1	49.4	49.6	49.9
290	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.4	48.6	48.9	49.1	49.4	49.6
300	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.9	48.2	48.4	48.6	48.9	49.1	49.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 61. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	58.9	59.1	59.3	59.5	59.7	59.9	60.1	60.6	61.2	61.8	62.5	63.2	64.0	64.7
30	57.5	57.7	57.9	58.1	58.3	58.5	58.7	59.2	59.8	60.4	61.1	61.8	62.6	63.4
40	56.1	56.3	56.5	56.7	56.9	57.1	57.3	57.8	58.4	59.1	59.8	60.6	61.4	62.2
50	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.9	57.5	58.1	58.9	59.6	60.4	61.2
60	54.5	54.7	54.9	55.1	55.3	55.5	55.7	56.1	56.7	57.3	58.0	58.7	59.5	60.3
70	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.4	55.9	56.5	57.2	57.9	58.6	59.4
80	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.7	55.3	55.8	56.5	57.1	57.8	58.6
90	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.1	54.6	55.2	55.8	56.4	57.1	57.8
100	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.6	54.0	54.6	55.2	55.8	56.4	57.1
110	52.1	52.2	52.3	52.4	52.5	52.6	52.7	53.1	53.5	54.0	54.6	55.1	55.8	56.4
120	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.6	53.0	53.5	54.0	54.6	55.2	55.8
130	51.2	51.3	51.4	51.5	51.6	51.7	51.8	52.1	52.5	53.0	53.5	54.0	54.6	55.2
140	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.7	52.1	52.5	53.0	53.5	54.1	54.7
150	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.3	51.7	52.1	52.5	53.0	53.6	54.1
160	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.9	51.3	51.7	52.1	52.6	53.1	53.6
170	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.5	50.9	51.3	51.7	52.1	52.6	53.1
180	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.2	50.5	50.9	51.3	51.7	52.2	52.7
190	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.9	50.2	50.6	50.9	51.3	51.8	52.2
200	49.1	49.1	49.1	49.4	49.4	49.4	49.4	49.6	49.9	50.2	50.6	51.0	51.4	51.8
210	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3	49.6	49.9	50.3	50.6	51.0	51.4
220	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.3	49.6	49.9	50.3	50.7	51.1
230	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.8	49.0	49.3	49.6	50.0	50.3	50.7
240	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.5	48.8	49.1	49.4	49.7	50.0	50.3
250	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.3	48.5	48.8	49.1	49.4	49.7	50.0
260	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.3	48.5	48.8	49.1	49.4	49.7
270	47.9	47.9	47.9	47.9	47.8	47.7	47.6	47.8	48.0	48.3	48.6	48.8	49.1	49.4
280	47.8	47.8	47.8	47.7	47.6	47.5	47.4	47.6	47.8	48.1	48.3	48.6	48.8	49.1
290	47.8	47.7	47.6	47.5	47.4	47.3	47.2	47.4	47.6	47.9	48.1	48.3	48.5	48.8
300	47.6	47.5	47.4	47.3	47.2	47.1	47.0	47.2	47.4	47.6	47.9	48.1	48.3	48.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 62. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.6	60.2	60.8	61.4	62.0	62.7	63.4
30	56.9	57.1	57.3	57.5	57.7	57.9	58.1	58.5	59.1	59.7	60.3	61.0	61.7	62.4
40	55.4	55.6	55.8	56.0	56.2	56.4	56.6	57.1	57.6	58.3	59.0	59.7	60.4	61.2
50	54.4	54.6	54.8	55.0	55.2	55.4	55.6	56.1	56.6	57.2	57.9	58.6	59.3	60.1
60	53.7	53.9	54.1	54.3	54.5	54.7	54.9	55.3	55.8	56.4	57.1	57.7	58.5	59.2
70	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.6	55.1	55.7	56.3	57.0	57.7	58.4
80	53.0	53.1	53.2	53.3	53.4	53.5	53.6	54.0	54.5	55.0	55.6	56.2	56.9	57.6
90	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.4	53.9	54.4	54.9	55.6	56.2	56.9
100	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.9	53.3	53.8	54.4	54.9	55.6	56.2
110	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.3	52.8	53.3	53.8	54.4	55.0	55.6
120	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.9	52.3	52.8	53.3	53.8	54.4	55.0
130	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.4	51.8	52.3	52.8	53.3	53.8	54.5
140	50.7	50.7	50.7	50.7	50.7	50.7	50.7	51.0	51.4	51.8	52.3	52.8	53.3	53.9
150	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.6	51.0	51.4	51.9	52.3	52.9	53.4
160	49.6	49.7	50.0	50.0	50.0	50.0	50.0	50.3	50.6	51.0	51.4	51.9	52.4	52.9
170	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.9	50.3	50.6	51.1	51.5	52.0	52.5
180	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.6	49.9	50.3	50.7	51.1	51.5	52.0
190	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.3	49.6	50.0	50.3	50.7	51.1	51.6
200	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.3	49.6	50.0	50.4	50.8	51.2
210	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	49.0	49.3	49.7	50.0	50.4	50.8
220	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.7	49.0	49.4	49.7	50.1	50.5
230	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2	48.4	48.7	49.1	49.4	49.7	50.1
240	47.8	47.8	47.8	48.0	47.9	47.8	47.7	47.9	48.2	48.5	48.8	49.1	49.4	49.8
250	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.7	47.9	48.2	48.5	48.8	49.1	49.4
260	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.7	48.0	48.2	48.5	48.8	49.1
270	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.5	47.7	48.0	48.2	48.5	48.8
280	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.2	47.5	47.7	48.0	48.2	48.5
290	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	47.0	47.3	47.5	47.7	48.0	48.3
300	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.8	47.1	47.3	47.5	47.7	48.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 63. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	57.1	57.3	57.5	57.7	57.9	58.1	58.3	58.7	59.2	59.7	60.3	60.9	61.6	62.3
30	56.1	56.3	56.5	56.7	56.9	57.1	57.3	57.7	58.2	58.8	59.4	60.1	60.7	61.4
40	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.4	56.9	57.5	58.1	58.8	59.5	60.2
50	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.3	55.9	56.4	57.1	57.7	58.4	59.1
60	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.5	55.0	55.6	56.2	56.8	57.5	58.2
70	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.9	54.3	54.9	55.4	56.0	56.7	57.4
80	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.2	53.7	54.2	54.8	55.3	56.0	56.6
90	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.7	53.1	53.6	54.1	54.7	55.3	56.0
100	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1	52.6	53.0	53.5	54.1	54.7	55.3
110	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.7	52.1	52.5	53.0	53.5	54.1	54.7
120	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.2	51.6	52.0	52.5	53.0	53.5	54.1
130	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.8	51.1	51.6	52.0	52.5	53.0	53.6
140	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.3	50.7	51.1	51.6	52.0	52.5	53.1
150	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.0	50.3	50.7	51.1	51.6	52.1	52.6
160	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.6	49.9	50.3	50.7	51.2	51.6	52.1
170	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.3	49.6	50.0	50.4	50.8	51.2	51.7
180	48.5	48.5	48.7	48.7	48.7	48.7	48.7	49.0	49.3	49.6	50.0	50.4	50.8	51.3
190	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	49.0	49.3	49.7	50.0	50.4	50.9
200	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.7	49.0	49.3	49.7	50.1	50.5
210	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.1	48.4	48.7	49.0	49.4	49.7	50.1
220	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	48.1	48.4	48.7	49.1	49.4	49.8
230	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.6	47.9	48.2	48.5	48.8	49.1	49.5
240	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.4	47.6	47.9	48.2	48.5	48.8	49.1
250	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1	47.4	47.6	47.9	48.2	48.5	48.8
260	47.0	47.0	47.0	47.0	46.9	46.8	46.7	46.9	47.1	47.4	47.7	47.9	48.2	48.5
270	47.0	47.0	46.9	46.8	46.7	46.6	46.5	46.7	46.9	47.2	47.4	47.7	48.0	48.2
280	46.9	46.8	46.7	46.6	46.5	46.4	46.3	46.5	46.7	47.0	47.2	47.4	47.7	48.0
290	46.7	46.6	46.5	46.4	46.3	46.2	46.1	46.3	46.5	46.7	47.0	47.2	47.4	47.7
300	46.5	46.4	46.3	46.2	46.1	46.0	45.9	46.1	46.3	46.5	46.8	47.0	47.2	47.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 64. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.8	58.3	58.9	59.5	60.1	60.8	61.5
30	56.0	56.1	56.2	56.3	56.4	56.5	56.6	57.0	57.5	58.0	58.6	59.2	59.9	60.5
40	54.8	54.9	55.0	55.1	55.2	55.3	55.4	55.8	56.3	56.9	57.4	58.1	58.7	59.4
50	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.8	55.3	55.8	56.4	57.0	57.7	58.4
60	53.1	53.2	53.3	53.4	53.5	53.6	53.7	54.1	54.5	55.1	55.7	56.3	56.9	57.6
70	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.4	53.8	54.4	54.9	55.5	56.1	56.8
80	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.8	53.2	53.7	54.2	54.8	55.4	56.1
90	51.3	51.4	51.5	51.6	51.7	51.8	51.9	52.2	52.6	53.1	53.6	54.2	54.7	55.4
100	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.7	52.1	52.5	53.0	53.6	54.1	54.7
110	50.6	50.9	50.9	50.9	50.9	50.9	50.9	51.2	51.6	52.0	52.5	53.0	53.5	54.1
120	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.7	51.1	51.5	52.0	52.5	53.0	53.6
130	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.3	50.7	51.1	51.5	52.0	52.5	53.0
140	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.9	50.3	50.6	51.1	51.5	52.0	52.5
150	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.5	49.9	50.2	50.6	51.1	51.5	52.0
160	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.2	49.5	49.9	50.3	50.7	51.1	51.6
170	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.9	49.2	49.5	49.9	50.3	50.7	51.2
180	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.5	48.8	49.2	49.5	49.9	50.3	50.7
190	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2	48.5	48.9	49.2	49.5	49.9	50.3
200	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0	48.2	48.5	48.9	49.2	49.6	50.0
210	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.7	48.0	48.3	48.6	48.9	49.2	49.6
220	47.3	47.3	47.3	47.5	47.4	47.3	47.2	47.4	47.7	48.0	48.3	48.6	48.9	49.3
230	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.2	47.4	47.7	48.0	48.3	48.6	48.9
240	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	47.2	47.5	47.7	48.0	48.3	48.6
250	46.8	46.8	46.8	46.8	46.7	46.6	46.5	46.7	47.0	47.2	47.5	47.7	48.0	48.3
260	46.8	46.8	46.8	46.6	46.5	46.4	46.3	46.5	46.7	47.0	47.2	47.5	47.7	48.0
270	46.7	46.6	46.5	46.4	46.3	46.2	46.1	46.3	46.5	46.7	47.0	47.2	47.5	47.7
280	46.5	46.4	46.3	46.2	46.1	46.0	45.9	46.1	46.3	46.5	46.7	47.0	47.2	47.4
290	46.3	46.2	46.1	46.0	45.9	45.8	45.7	45.9	46.1	46.3	46.5	46.7	46.9	47.2
300	46.1	46.0	45.9	45.8	45.7	45.6	45.5	45.7	45.9	46.1	46.3	46.5	46.7	46.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 65. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	62.8	63.3	63.8	64.3	64.8	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.2
30	61.7	62.1	62.5	62.9	63.3	63.7	64.1	64.5	65.0	65.4	65.8	66.2	66.6	67.0
40	61.2	61.6	62.0	62.4	62.8	63.2	63.6	64.1	64.5	64.9	65.3	65.7	66.0	66.4
50	60.7	61.1	61.5	61.9	62.3	62.7	63.2	63.6	64.1	64.5	64.9	65.3	65.7	66.1
60	60.3	60.7	61.1	61.5	61.9	62.3	62.7	63.2	63.7	64.1	64.5	65.0	65.3	65.7
70	59.8	60.2	60.6	61.0	61.4	61.8	62.3	62.8	63.2	63.7	64.1	64.6	65.0	65.4
80	59.3	59.7	60.1	60.5	60.9	61.3	61.8	62.3	62.8	63.3	63.7	64.1	64.6	65.0
90	58.9	59.3	59.7	60.1	60.5	60.9	61.4	61.9	62.4	62.8	63.3	63.7	64.1	64.6
100	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.4	62.9	63.3	63.7	64.2
110	57.6	58.1	58.6	59.1	59.6	60.1	60.6	61.1	61.6	62.0	62.5	62.9	63.4	63.8
120	57.5	58.1	58.5	58.9	59.3	59.7	60.2	60.7	61.2	61.7	62.1	62.6	63.0	63.4
130	57.3	57.7	58.1	58.5	58.9	59.3	59.8	60.3	60.8	61.3	61.8	62.2	62.6	63.0
140	57.0	57.4	57.8	58.2	58.6	59.0	59.5	60.0	60.5	61.0	61.4	61.9	62.3	62.7
150	56.2	56.7	57.2	57.7	58.2	58.7	59.2	59.7	60.2	60.6	61.1	61.5	62.0	62.4
160	55.9	56.4	56.9	57.4	57.9	58.4	58.9	59.4	59.9	60.3	60.8	61.2	61.7	62.1
170	55.6	56.1	56.6	57.1	57.6	58.1	58.6	59.1	59.6	60.0	60.5	60.9	61.3	61.8
180	55.6	56.0	56.6	57.0	57.4	57.8	58.3	58.8	59.3	59.8	60.2	60.6	61.1	61.5
190	55.5	55.9	56.3	56.7	57.1	57.5	58.0	58.5	59.0	59.5	59.9	60.4	60.8	61.2
200	54.8	55.3	55.8	56.3	56.8	57.3	57.8	58.3	58.7	59.2	59.7	60.1	60.5	60.9
210	54.6	55.1	55.8	56.2	56.6	57.0	57.5	58.0	58.5	59.0	59.4	59.8	60.3	60.7
220	54.3	54.8	55.3	55.8	56.3	56.8	57.3	57.8	58.2	58.7	59.2	59.6	60.0	60.4
230	54.3	54.8	55.3	55.7	56.1	56.5	57.0	57.5	58.0	58.5	58.9	59.3	59.8	60.2
240	54.3	54.7	55.1	55.5	55.9	56.3	56.8	57.3	57.8	58.2	58.7	59.1	59.5	59.9
250	54.1	54.5	54.9	55.3	55.7	56.1	56.6	57.1	57.6	58.0	58.5	58.9	59.3	59.7
260	53.9	54.3	54.7	55.1	55.5	55.9	56.4	56.9	57.3	57.8	58.2	58.7	59.1	59.5
270	53.2	53.7	54.2	54.7	55.2	55.7	56.2	56.6	57.1	57.6	58.0	58.5	58.9	59.3
280	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.4	56.9	57.4	57.8	58.2	58.7	59.0
290	52.9	53.4	54.0	54.5	54.9	55.3	55.8	56.3	56.7	57.2	57.6	58.0	58.4	58.8
300	52.8	53.3	53.9	54.3	54.7	55.1	55.6	56.1	56.5	57.0	57.4	57.8	58.3	58.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 66. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	61.3	61.7	62.1	62.5	62.9	63.3	63.7	64.2	64.6	65.1	65.5	65.9	66.3	66.7
30	59.5	59.8	60.1	60.4	60.7	61.0	61.4	61.8	62.2	62.6	62.9	63.3	63.7	64.0
40	59.0	59.3	59.6	59.9	60.2	60.5	60.9	61.3	61.7	62.0	62.4	62.7	63.0	63.4
50	58.7	59.0	59.3	59.6	59.9	60.2	60.6	61.0	61.4	61.7	62.1	62.4	62.7	63.0
60	58.3	58.6	58.9	59.2	59.5	59.8	60.3	60.7	61.1	61.4	61.8	62.1	62.4	62.7
70	57.9	58.2	58.5	58.8	59.1	59.4	59.9	60.3	60.7	61.1	61.4	61.8	62.1	62.4
80	57.5	57.8	58.1	58.4	58.7	59.0	59.5	59.9	60.3	60.7	61.1	61.4	61.8	62.1
90	57.1	57.4	57.7	58.0	58.3	58.6	59.1	59.5	59.9	60.3	60.7	61.1	61.4	61.7
100	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.1	59.6	60.0	60.3	60.7	61.0	61.4
110	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.8	59.2	59.6	60.0	60.3	60.7	61.0
120	55.6	56.3	56.6	56.9	57.2	57.5	58.0	58.4	58.8	59.2	59.6	60.0	60.4	60.7
130	55.2	55.6	56.0	56.4	56.8	57.2	57.6	58.1	58.5	58.9	59.3	59.7	60.0	60.4
140	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.7	58.2	58.6	59.0	59.3	59.7	60.0
150	54.8	55.3	55.6	55.9	56.2	56.5	57.0	57.4	57.9	58.3	58.7	59.0	59.4	59.7
160	54.7	55.0	55.3	55.6	55.9	56.2	56.7	57.1	57.6	58.0	58.4	58.7	59.1	59.4
170	54.0	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.3	57.7	58.1	58.4	58.8	59.1
180	53.7	54.1	54.5	54.9	55.3	55.7	56.1	56.6	57.0	57.4	57.8	58.2	58.5	58.9
190	53.5	54.1	54.5	54.8	55.1	55.4	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.6
200	53.2	53.6	54.0	54.4	54.8	55.2	55.6	56.1	56.5	56.9	57.3	57.6	58.0	58.3
210	53.0	53.5	54.0	54.3	54.6	54.9	55.4	55.8	56.2	56.6	57.0	57.4	57.7	58.1
220	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.6	56.0	56.4	56.8	57.1	57.5	57.8
230	52.5	52.9	53.3	53.7	54.1	54.5	54.9	55.3	55.8	56.2	56.5	56.9	57.3	57.6
240	52.5	52.9	53.3	53.6	53.9	54.2	54.7	55.1	55.5	55.9	56.3	56.7	57.0	57.4
250	52.5	52.8	53.1	53.4	53.7	54.0	54.5	54.9	55.3	55.7	56.1	56.5	56.8	57.1
260	52.3	52.6	52.9	53.2	53.5	53.8	54.3	54.7	55.1	55.5	55.9	56.2	56.6	56.9
270	52.1	52.4	52.7	53.0	53.3	53.6	54.1	54.5	54.9	55.3	55.7	56.0	56.4	56.7
280	51.9	52.2	52.5	52.8	53.1	53.4	53.9	54.3	54.7	55.1	55.5	55.8	56.2	56.5
290	51.7	52.0	52.3	52.6	52.9	53.2	53.7	54.1	54.5	54.9	55.3	55.6	56.0	56.3
300	51.1	51.5	51.9	52.3	52.7	53.1	53.5	53.9	54.3	54.7	55.1	55.4	55.8	56.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 67. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	59.7	60.0	60.3	60.6	60.9	61.2	61.6	62.0	62.4	62.8	63.2	63.5	63.9	64.2
30	57.6	57.9	58.2	58.5	58.8	59.1	59.5	59.8	60.2	60.6	60.9	61.2	61.6	61.9
40	57.4	57.6	57.8	58.0	58.2	58.4	58.8	59.1	59.4	59.8	60.1	60.4	60.7	61.0
50	56.6	56.9	57.2	57.5	57.8	58.1	58.4	58.8	59.1	59.4	59.7	60.0	60.3	60.5
60	56.2	56.5	56.8	57.1	57.4	57.7	58.0	58.4	58.7	59.0	59.3	59.6	59.9	60.1
70	55.8	56.1	56.4	56.7	57.0	57.3	57.6	58.0	58.3	58.7	59.0	59.2	59.5	59.8
80	55.4	55.7	56.0	56.3	56.6	56.9	57.3	57.6	58.0	58.3	58.6	58.9	59.2	59.4
90	55.0	55.3	55.6	55.9	56.2	56.5	56.9	57.2	57.6	57.9	58.3	58.5	58.8	59.1
100	54.6	54.9	55.2	55.5	55.8	56.1	56.5	56.9	57.2	57.6	57.9	58.2	58.5	58.8
110	54.3	54.6	54.9	55.2	55.5	55.8	56.2	56.5	56.9	57.2	57.6	57.9	58.2	58.5
120	53.9	54.2	54.5	54.8	55.1	55.4	55.8	56.2	56.6	56.9	57.2	57.5	57.8	58.1
130	53.6	53.9	54.2	54.5	54.8	55.1	55.5	55.9	56.2	56.6	56.9	57.2	57.5	57.8
140	53.3	53.6	53.9	54.2	54.5	54.8	55.2	55.5	55.9	56.3	56.6	56.9	57.2	57.5
150	53.0	53.3	53.6	53.9	54.2	54.5	54.9	55.2	55.6	56.0	56.3	56.6	56.9	57.2
160	52.7	53.0	53.3	53.6	53.9	54.2	54.6	54.9	55.3	55.7	56.0	56.3	56.6	56.9
170	52.4	52.7	53.0	53.3	53.6	53.9	54.3	54.7	55.0	55.4	55.7	56.0	56.3	56.6
180	52.1	52.4	52.7	53.0	53.3	53.6	54.0	54.4	54.8	55.1	55.5	55.8	56.1	56.4
190	51.9	52.2	52.5	52.8	53.1	53.4	53.8	54.1	54.5	54.9	55.2	55.5	55.8	56.1
200	51.6	51.9	52.2	52.5	52.8	53.1	53.5	53.9	54.3	54.6	54.9	55.3	55.6	55.8
210	51.4	51.7	52.0	52.3	52.6	52.9	53.3	53.6	54.0	54.4	54.7	55.0	55.3	55.6
220	50.7	51.1	51.5	51.9	52.3	52.7	53.0	53.4	53.8	54.1	54.4	54.8	55.1	55.4
230	50.7	51.1	51.5	51.8	52.1	52.4	52.8	53.2	53.5	53.9	54.2	54.5	54.8	55.1
240	50.7	51.0	51.3	51.6	51.9	52.2	52.6	53.0	53.3	53.7	54.0	54.3	54.6	54.9
250	50.5	50.8	51.1	51.4	51.7	52.0	52.4	52.7	53.1	53.5	53.8	54.1	54.4	54.7
260	50.3	50.6	50.9	51.2	51.5	51.8	52.2	52.5	52.9	53.2	53.6	53.9	54.2	54.5
270	50.1	50.4	50.7	51.0	51.3	51.6	52.0	52.3	52.7	53.0	53.4	53.7	54.0	54.2
280	49.9	50.2	50.5	50.8	51.1	51.4	51.8	52.1	52.5	52.8	53.2	53.5	53.8	54.0
290	49.7	50.0	50.3	50.6	50.9	51.2	51.6	51.9	52.3	52.6	53.0	53.3	53.6	53.8
300	49.5	49.8	50.1	50.4	50.7	51.0	51.4	51.8	52.1	52.5	52.8	53.1	53.4	53.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 68. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	58.2	58.5	58.8	59.1	59.4	59.7	60.1	60.5	60.9	61.2	61.6	61.9	62.3	62.6
30	56.4	56.7	57.0	57.3	57.6	57.9	58.3	58.6	59.0	59.3	59.7	60.0	60.3	60.6
40	55.9	56.1	56.3	56.5	56.7	56.9	57.2	57.6	57.9	58.2	58.5	58.8	59.1	59.4
50	54.9	55.2	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.6	57.9	58.1	58.4	58.7
60	54.5	54.8	55.1	55.4	55.7	56.0	56.3	56.6	56.9	57.2	57.4	57.7	57.9	58.2
70	54.1	54.4	54.7	55.0	55.3	55.6	55.9	56.2	56.5	56.8	57.1	57.3	57.5	57.8
80	53.7	54.0	54.3	54.6	54.9	55.2	55.5	55.8	56.2	56.4	56.7	57.0	57.2	57.4
90	53.5	54.0	54.2	54.4	54.6	54.8	55.2	55.5	55.8	56.1	56.4	56.6	56.9	57.1
100	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.5	55.8	56.1	56.3	56.6	56.8
110	52.6	53.3	53.5	53.7	53.9	54.1	54.5	54.8	55.1	55.5	55.7	56.0	56.3	56.5
120	52.3	52.6	52.9	53.2	53.5	53.8	54.2	54.5	54.8	55.1	55.4	55.7	56.0	56.2
130	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.2	54.5	54.8	55.1	55.4	55.7	55.9
140	51.7	52.0	52.3	52.6	52.9	53.2	53.5	53.9	54.2	54.5	54.8	55.1	55.4	55.7
150	51.4	51.7	52.0	52.3	52.6	52.9	53.2	53.6	53.9	54.2	54.5	54.8	55.1	55.4
160	51.1	51.4	51.7	52.0	52.3	52.6	53.0	53.3	53.6	54.0	54.3	54.6	54.8	55.1
170	51.0	51.4	51.7	51.9	52.1	52.3	52.7	53.0	53.4	53.7	54.0	54.3	54.6	54.8
180	50.6	50.9	51.2	51.5	51.8	52.1	52.4	52.8	53.1	53.4	53.7	54.0	54.3	54.6
190	50.3	50.6	50.9	51.2	51.5	51.8	52.2	52.5	52.9	53.2	53.5	53.8	54.1	54.3
200	50.1	50.4	50.7	51.0	51.3	51.6	51.9	52.3	52.6	52.9	53.2	53.5	53.8	54.1
210	50.0	50.4	50.7	50.9	51.1	51.3	51.7	52.0	52.4	52.7	53.0	53.3	53.6	53.8
220	49.6	49.9	50.2	50.5	50.8	51.1	51.5	51.8	52.2	52.5	52.8	53.1	53.3	53.6
230	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.6	51.9	52.2	52.5	52.8	53.1	53.4
240	49.2	49.5	49.8	50.1	50.4	50.7	51.0	51.4	51.7	52.0	52.3	52.6	52.9	53.2
250	49.0	49.3	49.6	49.9	50.2	50.5	50.8	51.2	51.5	51.8	52.1	52.4	52.7	52.9
260	48.8	49.1	49.4	49.7	50.0	50.3	50.6	51.0	51.3	51.6	51.9	52.2	52.5	52.7
270	48.6	48.9	49.2	49.5	49.8	50.1	50.4	50.8	51.1	51.4	51.7	52.0	52.3	52.5
280	48.4	48.7	49.0	49.3	49.6	49.9	50.2	50.6	50.9	51.2	51.5	51.8	52.1	52.3
290	48.2	48.5	48.8	49.1	49.4	49.7	50.0	50.4	50.7	51.0	51.3	51.6	51.9	52.1
300	48.0	48.3	48.6	48.9	49.2	49.5	49.8	50.2	50.5	50.8	51.1	51.4	51.7	51.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 69. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	57.0	57.3	57.6	57.9	58.2	58.5	58.9	59.3	59.6	60.0	60.3	60.7	61.0	61.3
30	55.4	55.7	56.0	56.3	56.6	56.9	57.2	57.6	57.9	58.2	58.6	58.9	59.1	59.4
40	54.3	54.6	54.9	55.2	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.6	57.9	58.2
50	54.0	54.2	54.4	54.6	54.8	55.0	55.3	55.6	55.9	56.2	56.4	56.7	56.9	57.2
60	53.5	53.7	53.9	54.1	54.3	54.5	54.8	55.1	55.4	55.6	55.9	56.1	56.3	56.6
70	52.7	53.0	53.3	53.6	53.9	54.2	54.4	54.7	55.0	55.3	55.5	55.7	56.0	56.2
80	52.7	53.0	53.2	53.4	53.6	53.8	54.1	54.4	54.7	54.9	55.2	55.4	55.6	55.8
90	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.6	54.9	55.1	55.3	55.5
100	51.7	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.3	54.6	54.8	55.0	55.3
110	51.6	52.0	52.2	52.4	52.6	52.8	53.1	53.5	53.8	54.0	54.3	54.5	54.8	55.0
120	51.5	51.7	51.9	52.1	52.3	52.5	52.8	53.2	53.5	53.7	54.0	54.3	54.5	54.7
130	51.2	51.4	51.6	51.8	52.0	52.2	52.5	52.9	53.2	53.5	53.7	54.0	54.2	54.4
140	50.9	51.1	51.3	51.5	51.7	51.9	52.2	52.6	52.9	53.2	53.4	53.7	53.9	54.2
150	50.6	50.8	51.0	51.2	51.4	51.6	52.0	52.3	52.6	52.9	53.2	53.4	53.7	53.9
160	49.9	50.2	50.5	50.8	51.1	51.4	51.7	52.0	52.3	52.6	52.9	53.2	53.4	53.6
170	49.6	49.9	50.2	50.5	50.8	51.1	51.4	51.8	52.1	52.4	52.6	52.9	53.2	53.4
180	49.5	49.9	50.2	50.4	50.6	50.8	51.2	51.5	51.8	52.1	52.4	52.7	52.9	53.1
190	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.3	51.6	51.9	52.1	52.4	52.7	52.9
200	48.9	49.2	49.5	49.8	50.1	50.4	50.7	51.0	51.3	51.6	51.9	52.2	52.4	52.7
210	48.7	49.2	49.5	49.7	49.9	50.1	50.4	50.8	51.1	51.4	51.7	51.9	52.2	52.4
220	48.4	48.7	49.0	49.3	49.6	49.9	50.2	50.6	50.9	51.2	51.4	51.7	52.0	52.2
230	48.2	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.5	51.7	52.0
240	48.0	48.3	48.6	48.9	49.2	49.5	49.8	50.1	50.4	50.7	51.0	51.3	51.5	51.8
250	47.8	48.1	48.4	48.7	49.0	49.3	49.6	49.9	50.2	50.5	50.8	51.1	51.3	51.5
260	47.6	47.9	48.2	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.6	50.8	51.1	51.3
270	47.4	47.7	48.0	48.3	48.6	48.9	49.2	49.5	49.8	50.1	50.4	50.6	50.9	51.1
280	47.2	47.5	47.8	48.1	48.4	48.7	49.0	49.3	49.6	49.9	50.2	50.5	50.7	50.9
290	47.0	47.3	47.6	47.9	48.2	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.5	50.7
300	46.9	47.2	47.5	47.9	48.1	48.3	48.6	49.0	49.3	49.6	49.8	50.1	50.3	50.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 70. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	56.1	56.4	56.7	57.0	57.3	57.6	57.9	58.3	58.7	59.0	59.4	59.7	60.0	60.3
30	54.6	54.9	55.2	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.6	57.9	58.2	58.5
40	53.4	53.7	54.0	54.3	54.6	54.9	55.2	55.5	55.8	56.1	56.4	56.7	57.0	57.2
50	52.9	53.1	53.3	53.5	53.7	53.9	54.2	54.5	54.8	55.1	55.3	55.6	55.8	56.1
60	52.4	52.6	52.8	53.0	53.2	53.4	53.7	54.0	54.2	54.5	54.7	55.0	55.2	55.4
70	52.0	52.2	52.4	52.6	52.8	53.0	53.3	53.6	53.8	54.1	54.3	54.5	54.8	55.0
80	51.2	51.5	51.8	52.1	52.4	52.7	52.9	53.2	53.5	53.7	54.0	54.2	54.4	54.6
90	51.1	51.5	51.7	51.9	52.1	52.3	52.6	52.9	53.2	53.4	53.6	53.9	54.1	54.3
100	51.0	51.2	51.4	51.6	51.8	52.0	52.3	52.6	52.8	53.1	53.3	53.5	53.8	54.0
110	50.7	50.9	51.1	51.3	51.5	51.7	52.0	52.3	52.5	52.8	53.0	53.3	53.5	53.7
120	50.4	50.6	50.8	51.0	51.2	51.4	51.7	52.0	52.3	52.5	52.8	53.0	53.2	53.4
130	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.7	52.0	52.3	52.5	52.7	52.9	53.1
140	49.8	50.0	50.2	50.4	50.6	50.8	51.1	51.4	51.7	52.0	52.2	52.5	52.7	52.9
150	49.5	49.7	49.9	50.1	50.3	50.5	50.8	51.2	51.4	51.7	52.0	52.2	52.4	52.6
160	48.8	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.5	51.7	51.9	52.2	52.4
170	48.6	49.1	49.4	49.6	49.8	50.0	50.3	50.6	50.9	51.2	51.5	51.7	51.9	52.1
180	48.3	48.6	48.9	49.2	49.5	49.8	50.1	50.4	50.7	51.0	51.2	51.5	51.7	51.9
190	48.3	48.6	48.9	49.1	49.3	49.5	49.8	50.2	50.5	50.7	51.0	51.2	51.5	51.7
200	48.3	48.5	48.7	48.9	49.1	49.3	49.6	49.9	50.2	50.5	50.8	51.0	51.2	51.4
210	47.6	47.9	48.2	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.5	50.8	51.0	51.2
220	47.6	47.9	48.2	48.4	48.6	48.8	49.2	49.5	49.8	50.0	50.3	50.5	50.8	51.0
230	47.6	47.8	48.0	48.2	48.4	48.6	48.9	49.3	49.6	49.8	50.1	50.3	50.6	50.8
240	47.4	47.6	47.8	48.0	48.2	48.4	48.7	49.1	49.4	49.6	49.9	50.1	50.4	50.6
250	47.2	47.4	47.6	47.8	48.0	48.2	48.5	48.9	49.1	49.4	49.7	49.9	50.2	50.4
260	47.0	47.2	47.4	47.6	47.8	48.0	48.3	48.7	48.9	49.2	49.5	49.7	50.0	50.2
270	46.8	47.0	47.2	47.4	47.6	47.8	48.1	48.5	48.8	49.0	49.3	49.5	49.8	50.0
280	46.2	46.5	46.8	47.1	47.4	47.7	48.0	48.3	48.6	48.8	49.1	49.3	49.6	49.8
290	46.0	46.3	46.6	46.9	47.2	47.5	47.8	48.1	48.4	48.7	48.9	49.1	49.4	49.6
300	45.8	46.2	46.6	46.9	47.1	47.3	47.6	47.9	48.2	48.5	48.7	49.0	49.2	49.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 71. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	55.5	55.7	55.9	56.1	56.3	56.5	56.9	57.3	57.6	58.0	58.3	58.6	58.9	59.2
30	54.1	54.3	54.5	54.7	54.9	55.1	55.4	55.8	56.1	56.4	56.6	56.9	57.2	57.4
40	52.7	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.6	55.9	56.1	56.4
50	52.1	52.3	52.5	52.7	52.9	53.1	53.4	53.6	53.9	54.2	54.4	54.7	54.9	55.2
60	51.4	51.6	51.8	52.0	52.2	52.4	52.7	52.9	53.2	53.4	53.7	53.9	54.1	54.4
70	51.4	51.5	51.6	51.7	51.8	51.9	52.2	52.5	52.7	53.0	53.2	53.4	53.6	53.8
80	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.1	52.4	52.6	52.8	53.0	53.2	53.4
90	50.3	50.5	50.7	50.9	51.1	51.3	51.5	51.8	52.0	52.3	52.5	52.7	52.9	53.1
100	49.9	50.1	50.3	50.5	50.7	50.9	51.2	51.5	51.7	52.0	52.2	52.4	52.6	52.8
110	49.2	49.5	49.8	50.1	50.4	50.7	50.9	51.2	51.5	51.7	51.9	52.1	52.3	52.5
120	48.9	49.2	49.5	49.8	50.1	50.4	50.6	50.9	51.2	51.4	51.6	51.9	52.0	52.2
130	48.9	49.2	49.5	49.7	49.9	50.1	50.4	50.7	50.9	51.2	51.4	51.6	51.8	52.0
140	48.8	49.0	49.2	49.4	49.6	49.8	50.1	50.4	50.7	50.9	51.1	51.3	51.5	51.7
150	48.5	48.7	48.9	49.1	49.3	49.5	49.8	50.1	50.4	50.7	50.9	51.1	51.3	51.5
160	48.3	48.5	48.7	48.9	49.1	49.3	49.6	49.9	50.2	50.4	50.6	50.9	51.1	51.3
170	48.0	48.2	48.4	48.6	48.8	49.0	49.3	49.6	49.9	50.2	50.4	50.6	50.8	51.0
180	47.8	48.0	48.2	48.4	48.6	48.8	49.1	49.4	49.7	49.9	50.2	50.4	50.6	50.8
190	47.1	47.4	47.7	48.0	48.3	48.6	48.9	49.2	49.4	49.7	49.9	50.2	50.4	50.6
200	47.1	47.4	47.7	47.9	48.1	48.3	48.6	48.9	49.2	49.5	49.7	49.9	50.1	50.3
210	47.1	47.3	47.5	47.7	47.9	48.1	48.4	48.7	49.0	49.2	49.5	49.7	49.9	50.1
220	46.9	47.1	47.3	47.5	47.7	47.9	48.2	48.5	48.8	49.0	49.3	49.5	49.7	49.9
230	46.2	46.5	46.8	47.1	47.4	47.7	48.0	48.3	48.6	48.8	49.1	49.3	49.5	49.7
240	46.0	46.3	46.6	46.9	47.2	47.5	47.8	48.1	48.4	48.6	48.9	49.1	49.3	49.5
250	45.8	46.1	46.4	46.7	47.0	47.3	47.6	47.9	48.2	48.4	48.7	48.9	49.1	49.3
260	45.8	46.1	46.4	46.7	46.9	47.1	47.4	47.7	48.0	48.2	48.5	48.7	48.9	49.1
270	45.8	46.1	46.3	46.5	46.7	46.9	47.2	47.5	47.8	48.0	48.3	48.5	48.7	48.9
280	45.7	45.9	46.1	46.3	46.5	46.7	47.0	47.3	47.6	47.8	48.1	48.3	48.5	48.7
290	45.5	45.7	45.9	46.1	46.3	46.5	46.8	47.1	47.4	47.7	47.9	48.1	48.3	48.5
300	44.9	45.2	45.5	45.8	46.1	46.4	46.6	46.9	47.2	47.5	47.7	47.9	48.1	48.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 72. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	54.1	54.4	54.7	55.0	55.3	55.6	56.0	56.3	56.6	57.0	57.3	57.6	57.9	58.1
30	52.9	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.3	55.5	55.8	56.1	56.3	56.5
40	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.7	54.9	55.2	55.4	55.7
50	51.5	51.7	51.9	52.1	52.3	52.5	52.8	53.1	53.4	53.6	53.9	54.1	54.4	54.6
60	50.6	50.8	51.0	51.2	51.4	51.6	51.9	52.2	52.4	52.7	52.9	53.1	53.4	53.6
70	50.1	50.3	50.5	50.7	50.9	51.1	51.3	51.6	51.8	52.1	52.3	52.5	52.7	52.9
80	49.7	49.9	50.1	50.3	50.5	50.7	50.9	51.2	51.4	51.6	51.8	52.0	52.2	52.4
90	49.3	49.5	49.7	49.9	50.1	50.3	50.6	50.8	51.1	51.3	51.5	51.7	51.9	52.0
100	49.0	49.2	49.4	49.6	49.8	50.0	50.3	50.5	50.8	51.0	51.2	51.4	51.6	51.7
110	48.7	48.9	49.1	49.3	49.5	49.7	50.0	50.2	50.5	50.7	50.9	51.1	51.3	51.5
120	48.4	48.6	48.8	49.0	49.2	49.4	49.7	50.0	50.2	50.5	50.7	50.9	51.0	51.2
130	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.7	50.0	50.2	50.4	50.6	50.8	51.0
140	47.9	48.1	48.3	48.5	48.7	48.9	49.2	49.5	49.7	50.0	50.2	50.4	50.6	50.7
150	47.6	47.8	48.0	48.2	48.4	48.6	48.9	49.2	49.5	49.7	49.9	50.1	50.3	50.5
160	47.4	47.6	47.8	48.0	48.2	48.4	48.7	49.0	49.2	49.5	49.7	49.9	50.1	50.3
170	46.7	47.0	47.3	47.6	47.9	48.2	48.4	48.7	49.0	49.2	49.5	49.7	49.9	50.1
180	46.7	47.0	47.3	47.5	47.7	47.9	48.2	48.5	48.8	49.0	49.2	49.5	49.7	49.8
190	46.7	46.9	47.1	47.3	47.5	47.7	48.0	48.3	48.5	48.8	49.0	49.2	49.4	49.6
200	46.5	46.7	46.9	47.1	47.3	47.5	47.8	48.1	48.3	48.6	48.8	49.0	49.2	49.4
210	45.8	46.1	46.4	46.7	47.0	47.3	47.5	47.8	48.1	48.4	48.6	48.8	49.0	49.2
220	45.8	46.1	46.4	46.6	46.8	47.0	47.3	47.6	47.9	48.2	48.4	48.6	48.8	49.0
230	45.8	46.0	46.2	46.4	46.6	46.8	47.1	47.4	47.7	47.9	48.2	48.4	48.6	48.8
240	45.6	45.8	46.0	46.2	46.4	46.6	46.9	47.2	47.5	47.7	48.0	48.2	48.4	48.6
250	45.4	45.6	45.8	46.0	46.2	46.4	46.7	47.0	47.3	47.5	47.8	48.0	48.2	48.4
260	44.8	45.1	45.4	45.7	46.0	46.3	46.5	46.8	47.1	47.4	47.6	47.8	48.0	48.2
270	44.6	44.9	45.2	45.5	45.8	46.1	46.4	46.6	46.9	47.2	47.4	47.6	47.8	48.0
280	44.6	44.9	45.2	45.5	45.7	45.9	46.2	46.5	46.7	47.0	47.2	47.4	47.6	47.8
290	44.5	44.8	45.1	45.3	45.5	45.7	46.0	46.3	46.6	46.8	47.0	47.3	47.5	47.6
300	44.5	44.7	44.9	45.1	45.3	45.5	45.8	46.1	46.4	46.6	46.9	47.1	47.3	47.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 73. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	53.5	53.8	54.1	54.4	54.7	55.0	55.4	55.7	56.1	56.4	56.7	57.0	57.3	57.6
30	52.8	53.0	53.2	53.4	53.6	53.8	54.1	54.5	54.8	55.1	55.3	55.6	55.9	56.1
40	51.7	51.9	52.1	52.3	52.5	52.7	53.0	53.3	53.6	53.9	54.2	54.4	54.6	54.9
50	50.9	51.1	51.3	51.5	51.7	51.9	52.2	52.5	52.8	53.1	53.4	53.7	53.9	54.2
60	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.7	52.0	52.2	52.5	52.7	53.0	53.2
70	49.4	49.6	49.8	50.0	50.2	50.4	50.7	51.0	51.2	51.5	51.7	51.9	52.2	52.4
80	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.5	50.7	51.0	51.2	51.4	51.6	51.8
90	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.1	50.3	50.5	50.7	50.9	51.1	51.3
100	48.2	48.4	48.6	48.8	49.0	49.2	49.5	49.7	49.9	50.2	50.4	50.5	50.7	50.9
110	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.4	49.6	49.9	50.0	50.2	50.4	50.6
120	47.6	47.8	48.0	48.2	48.4	48.6	48.9	49.1	49.4	49.6	49.8	50.0	50.1	50.3
130	47.3	47.5	47.7	47.9	48.1	48.3	48.6	48.9	49.1	49.3	49.5	49.7	49.9	50.0
140	47.1	47.3	47.5	47.7	47.9	48.1	48.3	48.6	48.8	49.1	49.3	49.5	49.6	49.8
150	46.8	47.0	47.2	47.4	47.6	47.8	48.1	48.4	48.6	48.8	49.0	49.2	49.4	49.6
160	46.6	46.8	47.0	47.2	47.4	47.6	47.9	48.1	48.4	48.6	48.8	49.0	49.2	49.4
170	45.9	46.2	46.5	46.8	47.1	47.4	47.6	47.9	48.2	48.4	48.6	48.8	49.0	49.2
180	45.9	46.2	46.5	46.7	46.9	47.1	47.4	47.7	47.9	48.2	48.4	48.6	48.8	49.0
190	45.9	46.1	46.3	46.5	46.7	46.9	47.2	47.5	47.7	48.0	48.2	48.4	48.6	48.8
200	45.7	45.9	46.1	46.3	46.5	46.7	47.0	47.2	47.5	47.7	48.0	48.2	48.4	48.5
210	45.0	45.3	45.6	45.9	46.2	46.5	46.7	47.0	47.3	47.5	47.8	48.0	48.2	48.3
220	44.8	45.1	45.4	45.7	46.0	46.3	46.5	46.8	47.1	47.3	47.6	47.8	48.0	48.1
230	44.6	44.9	45.2	45.5	45.8	46.1	46.3	46.6	46.9	47.1	47.4	47.6	47.8	48.0
240	44.4	44.7	45.0	45.3	45.6	45.9	46.1	46.4	46.7	46.9	47.2	47.4	47.6	47.8
250	44.2	44.5	44.8	45.1	45.4	45.7	45.9	46.2	46.5	46.7	47.0	47.2	47.4	47.6
260	44.2	44.5	44.8	45.1	45.3	45.5	45.8	46.0	46.3	46.6	46.8	47.0	47.2	47.4
270	44.1	44.5	44.7	44.9	45.1	45.3	45.6	45.9	46.1	46.4	46.6	46.8	47.0	47.2
280	44.1	44.3	44.5	44.7	44.9	45.1	45.4	45.7	46.0	46.2	46.4	46.6	46.8	47.0
290	43.9	44.1	44.3	44.5	44.7	44.9	45.2	45.5	45.8	46.0	46.2	46.5	46.7	46.8
300	43.3	43.6	43.9	44.2	44.5	44.8	45.0	45.3	45.6	45.8	46.1	46.3	46.5	46.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 74. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	61.2	61.7	62.2	62.7	63.2	63.7	64.3	64.8	65.4	65.9	66.4	66.9	67.4	67.9
30	59.0	59.4	59.8	60.2	60.6	61.0	61.5	62.0	62.6	63.1	63.6	64.1	64.6	65.1
40	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.4	60.9	61.4	61.9	62.4	62.9	63.4
50	56.2	56.6	57.0	57.4	57.8	58.2	58.6	59.1	59.5	60.0	60.4	60.9	61.3	61.8
60	55.5	55.8	56.1	56.4	56.7	57.0	57.4	57.8	58.2	58.7	59.1	59.5	59.9	60.4
70	54.5	54.8	55.1	55.4	55.7	56.0	56.4	56.7	57.1	57.5	57.9	58.3	58.7	59.1
80	54.1	54.3	54.5	54.7	54.9	55.1	55.4	55.8	56.1	56.5	56.8	57.2	57.5	57.9
90	53.3	53.5	53.7	53.9	54.1	54.3	54.6	54.9	55.2	55.5	55.8	56.2	56.5	56.8
100	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.1	54.4	54.7	55.0	55.2	55.5	55.8
110	52.4	52.5	52.6	52.7	52.8	52.9	53.2	53.4	53.7	53.9	54.2	54.4	54.7	54.9
120	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.3	53.5	53.7	53.9	54.2
130	50.9	51.1	51.3	51.5	51.7	51.9	52.1	52.3	52.5	52.7	52.9	53.0	53.2	53.4
140	50.9	51.0	51.1	51.2	51.3	51.4	51.6	51.8	52.0	52.1	52.3	52.4	52.6	52.8
150	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.3	51.5	51.6	51.8	51.9	52.0	52.2
160	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.9	51.0	51.2	51.3	51.4	51.5	51.6
170	49.7	49.8	49.9	50.0	50.1	50.2	50.4	50.5	50.6	50.8	50.9	51.0	51.1	51.2
180	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.2	50.3	50.4	50.5	50.5	50.6	50.7
190	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.2	50.3
200	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.8	49.9	49.9
210	48.8	48.9	49.0	49.0	49.0	49.0	49.1	49.2	49.3	49.4	49.4	49.5	49.5	49.5
220	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.1	49.2	49.2	49.2	49.2
230	48.3	48.4	48.5	48.5	48.5	48.5	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9
240	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6
250	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.3
260	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.1	48.1	48.2	48.2	48.1	48.1	48.1
270	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.9	47.9	48.0	48.0	47.9	47.9	47.9
280	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.7	47.7	47.8	47.7	47.7	47.7	47.6
290	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.5	47.5	47.6	47.6	47.5	47.5	47.4
300	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.3	47.4	47.4	47.4	47.4	47.3	47.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 75. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	59.8	60.2	60.6	61.0	61.4	61.8	62.3	62.7	63.2	63.6	64.1	64.5	64.9	65.3
30	57.0	57.4	57.8	58.2	58.6	59.0	59.4	59.9	60.3	60.8	61.2	61.7	62.1	62.5
40	56.0	56.3	56.6	56.9	57.2	57.5	57.8	58.3	58.7	59.1	59.5	59.9	60.3	60.8
50	55.3	55.5	55.7	55.9	56.1	56.3	56.7	57.1	57.5	57.8	58.2	58.6	59.0	59.4
60	53.9	54.2	54.5	54.8	55.1	55.4	55.7	56.1	56.4	56.8	57.1	57.5	57.9	58.2
70	53.5	53.7	53.9	54.1	54.3	54.5	54.8	55.1	55.4	55.8	56.1	56.4	56.8	57.1
80	52.6	52.8	53.0	53.2	53.4	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.8	56.1
90	51.9	52.1	52.3	52.5	52.7	52.9	53.2	53.5	53.7	54.0	54.3	54.6	54.8	55.1
100	51.3	51.5	51.7	51.9	52.1	52.3	52.5	52.8	53.0	53.2	53.5	53.7	54.0	54.3
110	50.7	50.9	51.1	51.3	51.5	51.7	51.9	52.1	52.3	52.6	52.8	53.0	53.2	53.5
120	50.6	50.7	50.8	50.9	51.0	51.1	51.3	51.5	51.7	51.9	52.1	52.3	52.5	52.7
130	50.1	50.2	50.3	50.4	50.5	50.6	50.8	51.0	51.2	51.4	51.5	51.7	51.9	52.1
140	49.7	49.8	49.9	50.0	50.1	50.2	50.4	50.5	50.7	50.9	51.0	51.1	51.3	51.4
150	49.3	49.4	49.5	49.6	49.7	49.8	49.9	50.1	50.3	50.4	50.5	50.6	50.8	50.9
160	48.9	49.0	49.1	49.2	49.3	49.4	49.6	49.7	49.8	50.0	50.1	50.2	50.3	50.4
170	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.5	49.6	49.7	49.7	49.8	49.9
180	48.7	48.7	48.7	48.7	48.7	48.7	48.9	49.0	49.1	49.2	49.3	49.3	49.4	49.5
190	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.7	48.8	48.9	48.9	49.0	49.0	49.1
200	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.5	48.6	48.6	48.7	48.7
210	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.2	48.3	48.3	48.3	48.3
220	47.4	47.4	47.6	47.6	47.6	47.6	47.7	47.8	47.9	48.0	48.0	48.0	48.0	48.0
230	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7
240	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.3	47.4	47.4	47.5	47.5	47.4	47.4
250	46.5	46.6	46.7	46.8	46.9	47.0	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.1
260	46.5	46.5	46.7	46.7	46.7	46.7	46.8	46.9	47.0	47.0	47.0	47.0	46.9	46.9
270	46.1	46.2	46.3	46.4	46.5	46.6	46.6	46.7	46.8	46.8	46.8	46.7	46.7	46.6
280	45.9	46.0	46.1	46.2	46.3	46.4	46.4	46.5	46.6	46.6	46.6	46.5	46.5	46.4
290	45.8	45.9	46.1	46.2	46.2	46.2	46.3	46.3	46.4	46.4	46.4	46.3	46.3	46.2
300	45.7	45.8	46.0	46.0	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.1	46.1	46.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 76. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	58.5	58.8	59.1	59.4	59.7	60.0	60.4	60.8	61.1	61.5	61.9	62.3	62.6	63.0
30	56.0	56.3	56.6	56.9	57.2	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.2	60.6
40	54.9	55.1	55.3	55.5	55.7	55.9	56.3	56.6	57.0	57.4	57.7	58.1	58.5	58.8
50	53.4	53.7	54.0	54.3	54.6	54.9	55.2	55.5	55.8	56.2	56.5	56.8	57.2	57.5
60	53.0	53.2	53.4	53.6	53.8	54.0	54.3	54.6	54.9	55.2	55.5	55.8	56.1	56.5
70	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.7	54.0	54.3	54.6	54.9	55.2	55.5
80	51.9	52.0	52.1	52.2	52.3	52.4	52.7	53.0	53.2	53.5	53.8	54.0	54.3	54.6
90	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.3	52.5	52.7	53.0	53.2	53.5	53.7
100	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.1	52.3	52.5	52.7	53.0
110	50.1	50.2	50.3	50.4	50.5	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2
120	49.6	49.7	49.8	49.9	50.0	50.1	50.3	50.5	50.7	50.8	51.0	51.2	51.4	51.5
130	49.1	49.2	49.3	49.4	49.5	49.6	49.8	50.0	50.2	50.3	50.5	50.6	50.8	50.9
140	48.7	48.8	48.9	49.0	49.1	49.2	49.4	49.5	49.7	49.8	50.0	50.1	50.2	50.4
150	48.3	48.4	48.5	48.6	48.7	48.8	49.0	49.1	49.3	49.4	49.5	49.6	49.7	49.8
160	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.9	49.0	49.1	49.1	49.2	49.3
170	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.4	48.5	48.6	48.7	48.7	48.8	48.9
180	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.4	48.5
190	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.0	48.0	48.1
200	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.4	47.5	47.6	47.6	47.7	47.7	47.7
210	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.2	47.3	47.3	47.4	47.4	47.4
220	46.3	46.4	46.7	46.7	46.7	46.7	46.8	46.9	47.0	47.0	47.0	47.1	47.1	47.1
230	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.7	46.8	46.8	46.8	46.8	46.8
240	46.0	46.1	46.2	46.2	46.2	46.2	46.3	46.4	46.5	46.5	46.5	46.5	46.5	46.5
250	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.2	46.2
260	45.8	45.8	45.8	45.8	45.8	45.8	45.9	46.0	46.1	46.1	46.1	46.0	46.0	46.0
270	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.8	45.8	45.9	45.8	45.8	45.8	45.7
280	45.0	45.1	45.2	45.3	45.4	45.5	45.5	45.6	45.6	45.7	45.6	45.6	45.6	45.5
290	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.5	45.5	45.4	45.4	45.3	45.3
300	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.3	45.3	45.3	45.2	45.1	45.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 77. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	57.1	57.4	57.7	58.0	58.3	58.6	58.9	59.3	59.7	60.0	60.4	60.7	61.0	61.4
30	55.4	55.6	55.8	56.0	56.2	56.4	56.8	57.2	57.6	57.9	58.3	58.6	59.0	59.4
40	53.9	54.1	54.3	54.5	54.7	54.9	55.2	55.6	55.9	56.3	56.6	56.9	57.3	57.6
50	52.8	53.0	53.2	53.4	53.6	53.8	54.1	54.4	54.8	55.1	55.4	55.7	56.0	56.3
60	51.9	52.1	52.3	52.5	52.7	52.9	53.1	53.4	53.7	54.0	54.3	54.6	54.9	55.2
70	51.1	51.3	51.5	51.7	51.9	52.1	52.4	52.6	52.9	53.2	53.4	53.7	54.0	54.3
80	50.9	51.0	51.1	51.2	51.3	51.4	51.7	51.9	52.2	52.4	52.6	52.9	53.1	53.4
90	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.5	51.7	51.9	52.2	52.4	52.6
100	49.7	49.8	49.9	50.0	50.1	50.2	50.4	50.6	50.8	51.1	51.3	51.5	51.7	51.9
110	49.2	49.3	49.4	49.5	49.6	49.7	49.9	50.1	50.3	50.5	50.6	50.8	51.0	51.2
120	48.7	48.8	48.9	49.0	49.1	49.2	49.4	49.6	49.7	49.9	50.1	50.2	50.4	50.6
130	48.2	48.3	48.4	48.5	48.6	48.7	48.9	49.1	49.2	49.4	49.5	49.7	49.8	50.0
140	47.8	47.9	48.0	48.1	48.2	48.3	48.5	48.7	48.8	48.9	49.1	49.2	49.3	49.5
150	47.6	47.9	47.9	47.9	47.9	47.9	48.1	48.2	48.4	48.5	48.6	48.7	48.8	49.0
160	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.9	48.0	48.1	48.2	48.3	48.4	48.5
170	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.0
180	46.7	46.9	46.9	46.9	46.9	46.9	47.1	47.2	47.3	47.4	47.4	47.5	47.6	47.6
190	46.6	46.6	46.6	46.6	46.6	46.6	46.8	46.9	47.0	47.1	47.1	47.2	47.2	47.2
200	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.7	46.8	46.8	46.9	46.9
210	45.7	46.0	46.1	46.1	46.1	46.1	46.2	46.3	46.4	46.5	46.5	46.5	46.5	46.6
220	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2
230	45.4	45.5	45.6	45.6	45.6	45.6	45.7	45.8	45.9	45.9	45.9	46.0	45.9	45.9
240	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7
250	45.2	45.2	45.2	45.2	45.2	45.2	45.3	45.4	45.4	45.4	45.5	45.4	45.4	45.4
260	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.1
270	44.5	44.6	44.8	44.8	44.8	44.8	44.9	44.9	45.0	45.0	45.0	45.0	44.9	44.9
280	44.4	44.6	44.6	44.6	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.7	44.7
290	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.5	44.5
300	44.2	44.2	44.2	44.2	44.2	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.3	44.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 78. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	55.7	56.0	56.3	56.6	56.9	57.2	57.6	57.9	58.3	58.6	58.9	59.2	59.5	59.8
30	54.5	54.7	54.9	55.1	55.3	55.5	55.9	56.2	56.6	56.9	57.2	57.5	57.8	58.2
40	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.4	55.7	56.0	56.3	56.6
50	51.8	52.0	52.2	52.4	52.6	52.8	53.1	53.4	53.7	54.0	54.3	54.5	54.8	55.1
60	50.9	51.1	51.3	51.5	51.7	51.9	52.1	52.4	52.7	52.9	53.2	53.5	53.7	54.0
70	50.6	50.7	50.8	50.9	51.0	51.1	51.4	51.6	51.9	52.1	52.3	52.6	52.8	53.1
80	49.5	49.7	49.9	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.6	51.8	52.0	52.3
90	49.3	49.4	49.5	49.6	49.7	49.8	50.1	50.3	50.5	50.7	50.9	51.1	51.3	51.5
100	48.8	48.9	49.0	49.1	49.2	49.3	49.5	49.7	49.9	50.1	50.3	50.4	50.6	50.8
110	48.3	48.4	48.5	48.6	48.7	48.8	49.0	49.2	49.3	49.5	49.7	49.8	50.0	50.2
120	47.8	47.9	48.0	48.1	48.2	48.3	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6
130	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.2	48.3	48.5	48.6	48.7	48.9	49.0
140	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.8	47.9	48.0	48.2	48.3	48.4	48.5
150	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.4	47.5	47.6	47.7	47.8	47.9	48.0
160	46.6	46.7	46.7	46.7	46.7	46.7	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.5
170	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.7	46.8	46.9	46.9	47.0	47.1	47.1
180	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.6	46.7	46.7
190	45.6	45.6	45.8	45.8	45.8	45.8	45.9	46.0	46.1	46.2	46.3	46.3	46.3	46.4
200	45.5	45.5	45.5	45.5	45.5	45.5	45.6	45.8	45.8	45.9	45.9	46.0	46.0	46.0
210	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.6	45.7	45.7	45.7	45.7
220	44.8	44.9	45.0	45.0	45.0	45.0	45.1	45.2	45.3	45.3	45.4	45.4	45.4	45.4
230	44.8	44.8	44.8	44.8	44.8	44.8	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.1
240	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.8	44.8	44.9	44.9	44.8	44.8
250	43.9	44.0	44.1	44.2	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.5
260	43.9	44.0	44.1	44.1	44.1	44.1	44.2	44.3	44.4	44.4	44.4	44.4	44.3	44.3
270	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.1	44.2	44.2	44.2	44.1	44.1	44.1
280	43.3	43.4	43.5	43.6	43.7	43.8	43.8	43.9	44.0	44.0	44.0	43.9	43.9	43.8
290	43.2	43.3	43.4	43.6	43.6	43.6	43.7	43.7	43.8	43.8	43.8	43.7	43.7	43.6
300	43.1	43.2	43.3	43.4	43.4	43.4	43.5	43.5	43.6	43.6	43.6	43.5	43.5	43.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 79. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	54.7	55.0	55.3	55.6	55.9	56.2	56.5	56.9	57.2	57.5	57.9	58.2	58.5	58.8
30	53.7	53.9	54.1	54.3	54.5	54.7	55.0	55.4	55.7	56.0	56.3	56.6	56.9	57.2
40	52.3	52.5	52.7	52.9	53.1	53.3	53.6	54.0	54.3	54.6	54.9	55.2	55.5	55.8
50	51.0	51.2	51.4	51.6	51.8	52.0	52.3	52.6	52.9	53.2	53.4	53.7	54.0	54.3
60	50.5	50.6	50.7	50.8	50.9	51.0	51.3	51.6	51.8	52.1	52.3	52.6	52.9	53.1
70	49.3	49.5	49.7	49.9	50.1	50.3	50.5	50.8	51.0	51.3	51.5	51.7	52.0	52.2
80	49.1	49.2	49.3	49.4	49.5	49.6	49.9	50.1	50.3	50.6	50.8	51.0	51.2	51.5
90	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.7	49.9	50.1	50.3	50.5	50.8
100	48.0	48.1	48.2	48.3	48.4	48.5	48.7	48.9	49.1	49.3	49.5	49.7	49.9	50.1
110	47.5	47.6	47.7	47.8	47.9	48.0	48.2	48.4	48.6	48.8	49.0	49.1	49.3	49.5
120	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.9	48.1	48.3	48.4	48.6	48.8	48.9
130	46.6	46.7	46.8	46.9	47.0	47.1	47.3	47.5	47.7	47.8	47.9	48.1	48.2	48.4
140	46.2	46.3	46.4	46.5	46.6	46.7	46.9	47.1	47.2	47.4	47.5	47.6	47.7	47.9
150	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.7	46.8	46.9	47.1	47.2	47.3	47.4
160	45.5	45.6	45.7	45.8	45.9	46.0	46.2	46.3	46.4	46.6	46.7	46.8	46.9	47.0
170	45.2	45.3	45.4	45.5	45.6	45.7	45.8	46.0	46.1	46.2	46.3	46.4	46.5	46.6
180	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.8	45.9	45.9	46.0	46.1	46.2
190	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.7	45.8
200	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.1	45.2	45.2	45.3	45.3	45.4	45.4
210	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	44.9	45.0	45.0	45.1	45.1
220	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.7	44.8	44.8	44.8
230	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.4	44.5	44.5	44.5	44.5
240	43.6	43.6	43.8	43.8	43.8	43.8	43.9	44.0	44.1	44.2	44.2	44.2	44.2	44.2
250	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.8	43.9	43.9	44.0	44.0	44.0	44.0
260	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7
270	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5
280	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.2
290	42.8	42.8	42.8	42.8	42.8	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.0	43.0
300	42.2	42.3	42.4	42.5	42.6	42.7	42.7	42.8	42.9	42.9	42.9	42.9	42.8	42.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 80. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	54.3	54.5	54.7	54.9	55.1	55.3	55.7	56.0	56.3	56.6	56.9	57.2	57.4	57.7
30	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.3	55.5	55.8	56.1
40	51.2	51.5	51.8	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.2	54.5	54.7	55.0
50	50.3	50.5	50.7	50.9	51.1	51.3	51.6	51.9	52.2	52.4	52.7	53.0	53.2	53.5
60	49.3	49.5	49.7	49.9	50.1	50.3	50.6	50.8	51.1	51.3	51.6	51.8	52.0	52.3
70	49.0	49.1	49.2	49.3	49.4	49.5	49.7	50.0	50.2	50.4	50.7	50.9	51.1	51.3
80	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.7	49.9	50.1	50.3	50.6
90	47.3	47.5	47.7	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.6	49.9
100	47.2	47.3	47.4	47.5	47.6	47.7	47.9	48.1	48.3	48.5	48.7	48.8	49.0	49.2
110	46.3	46.5	46.7	46.9	47.1	47.3	47.4	47.6	47.8	48.0	48.1	48.3	48.4	48.6
120	46.3	46.4	46.5	46.6	46.7	46.8	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1
130	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.7	46.9	47.0	47.1	47.3	47.4	47.5
140	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.3	46.4	46.6	46.7	46.8	46.9	47.0
150	45.1	45.2	45.3	45.4	45.5	45.6	45.8	45.9	46.0	46.2	46.3	46.4	46.5	46.6
160	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.5	45.7	45.8	45.9	46.0	46.1	46.1
170	44.8	44.9	44.9	44.9	44.9	44.9	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.7
180	44.6	44.6	44.6	44.6	44.6	44.6	44.8	44.9	45.0	45.1	45.2	45.2	45.3	45.4
190	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	44.9	45.0	45.0
200	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.6	44.6	44.7
210	43.4	43.7	43.8	43.8	43.8	43.8	44.0	44.1	44.2	44.2	44.3	44.3	44.3	44.4
220	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.0	44.0	44.0	44.1
230	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.6	43.7	43.7	43.8	43.8	43.8
240	42.9	43.0	43.1	43.1	43.1	43.1	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.5
250	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.1	43.2	43.2	43.2	43.3	43.2	43.2
260	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0
270	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.7
280	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.5	42.6	42.6	42.6	42.6	42.6	42.5
290	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.3	42.4	42.4	42.4	42.4	42.3	42.3
300	41.5	41.6	41.7	41.8	41.9	42.0	42.0	42.1	42.2	42.2	42.2	42.2	42.1	42.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 81. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.7	56.0	56.2	56.5	56.7
30	51.6	51.9	52.2	52.5	52.8	53.1	53.4	53.7	54.0	54.2	54.5	54.7	55.0	55.2
40	50.9	51.1	51.3	51.5	51.7	51.9	52.2	52.5	52.8	53.1	53.4	53.7	53.9	54.2
50	49.8	50.0	50.2	50.4	50.6	50.8	51.1	51.4	51.7	52.0	52.2	52.5	52.8	53.0
60	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.3	50.6	50.8	51.1	51.3	51.6	51.8
70	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.4	49.6	49.8	50.1	50.3	50.5	50.7
80	47.7	47.8	47.9	48.0	48.1	48.2	48.4	48.7	48.9	49.1	49.3	49.5	49.7	49.9
90	47.1	47.2	47.3	47.4	47.5	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.1
100	46.6	46.7	46.8	46.9	47.0	47.1	47.3	47.5	47.7	47.8	48.0	48.2	48.3	48.5
110	46.1	46.2	46.3	46.4	46.5	46.6	46.8	47.0	47.2	47.3	47.5	47.6	47.8	47.9
120	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.5	46.7	46.8	47.0	47.1	47.3	47.4
130	45.2	45.3	45.4	45.5	45.6	45.7	45.9	46.1	46.2	46.4	46.5	46.6	46.8	46.9
140	45.3	45.3	45.3	45.3	45.3	45.3	45.5	45.7	45.8	45.9	46.1	46.2	46.3	46.4
150	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.3	45.4	45.5	45.7	45.8	45.9	46.0
160	44.3	44.6	44.6	44.6	44.6	44.6	44.8	44.9	45.1	45.2	45.3	45.4	45.5	45.6
170	43.8	43.9	44.0	44.1	44.2	44.3	44.5	44.6	44.7	44.8	44.9	45.0	45.1	45.2
180	43.5	43.6	43.7	43.8	43.9	44.0	44.2	44.3	44.4	44.5	44.6	44.7	44.7	44.8
190	43.3	43.4	43.7	43.7	43.7	43.7	43.9	44.0	44.1	44.2	44.3	44.3	44.4	44.5
200	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.0	44.0	44.1	44.1
210	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.7	43.8	43.8
220	42.5	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.4	43.4	43.5	43.5
230	42.3	42.4	42.7	42.7	42.7	42.7	42.8	42.9	43.0	43.1	43.1	43.2	43.2	43.2
240	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	42.9	42.9	42.9	43.0
250	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.6	42.7	42.7	42.7	42.7
260	41.6	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.4	42.4	42.4	42.5	42.5
270	41.4	41.5	41.6	41.7	41.8	41.9	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.2
280	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	41.9	42.0	42.0	42.0	42.0	42.0
290	41.1	41.3	41.4	41.5	41.5	41.5	41.6	41.7	41.7	41.8	41.8	41.8	41.8	41.8
300	41.0	41.3	41.3	41.3	41.3	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 82. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.3	54.6	55.0	55.3	55.6	55.9	56.1
30	51.5	51.7	51.9	52.1	52.3	52.5	52.8	53.1	53.4	53.7	54.0	54.3	54.5	54.8
40	50.2	50.4	50.6	50.8	51.0	51.2	51.5	51.8	52.1	52.4	52.6	52.9	53.1	53.4
50	49.2	49.4	49.6	49.8	50.0	50.2	50.5	50.8	51.1	51.4	51.7	52.0	52.2	52.5
60	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.8	50.1	50.4	50.6	50.9	51.2	51.4
70	47.4	47.6	47.8	48.0	48.2	48.4	48.7	48.9	49.2	49.4	49.7	49.9	50.2	50.4
80	47.2	47.3	47.4	47.5	47.6	47.7	48.0	48.2	48.4	48.7	48.9	49.1	49.3	49.6
90	46.6	46.7	46.8	46.9	47.0	47.1	47.3	47.6	47.8	48.0	48.2	48.4	48.6	48.8
100	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2
110	45.6	45.7	45.8	45.9	46.0	46.1	46.3	46.5	46.7	46.9	47.1	47.2	47.4	47.6
120	45.1	45.2	45.3	45.4	45.5	45.6	45.8	46.0	46.2	46.4	46.6	46.7	46.9	47.1
130	44.7	44.8	44.9	45.0	45.1	45.2	45.4	45.6	45.8	45.9	46.1	46.2	46.4	46.6
140	44.3	44.4	44.5	44.6	44.7	44.8	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1
150	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.8	45.0	45.1	45.2	45.4	45.5	45.6
160	43.6	43.7	43.8	43.9	44.0	44.1	44.3	44.4	44.6	44.7	44.8	45.0	45.1	45.2
170	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.1	44.2	44.4	44.5	44.6	44.7	44.8
180	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.8	43.9	44.0	44.1	44.2	44.3	44.4
190	42.7	42.8	42.9	43.0	43.1	43.2	43.3	43.5	43.6	43.7	43.8	43.9	44.0	44.1
200	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.2	43.3	43.4	43.5	43.6	43.6	43.7
210	42.2	42.3	42.4	42.6	42.6	42.6	42.8	42.9	43.0	43.1	43.2	43.3	43.3	43.4
220	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.7	42.8	42.9	42.9	43.0	43.0	43.1
230	41.7	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.7	42.8	42.8
240	41.7	41.8	41.9	41.9	41.9	41.9	42.1	42.2	42.3	42.4	42.4	42.5	42.5	42.6
250	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.9	42.0	42.1	42.2	42.2	42.3	42.3
260	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.7	41.8	41.9	41.9	42.0	42.0	42.0
270	41.3	41.3	41.3	41.3	41.3	41.3	41.4	41.5	41.6	41.7	41.7	41.7	41.8	41.8
280	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.3	41.4	41.4	41.5	41.5	41.5	41.5
290	40.4	40.5	40.6	40.7	40.8	40.9	41.0	41.1	41.2	41.2	41.3	41.3	41.3	41.3
300	40.3	40.4	40.6	40.7	40.7	40.7	40.8	40.9	41.0	41.0	41.1	41.1	41.1	41.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 83. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	49.5	52.2	54.9	57.6	60.9	63.7	66.0	68.1	69.9	71.4	72.8	74.1	75.3	76.4
30	48.1	50.9	53.7	56.5	59.7	62.5	64.9	67.0	68.8	70.3	71.8	73.0	74.2	75.3
40	47.9	50.6	53.3	56.0	59.3	62.1	64.4	66.5	68.2	69.8	71.2	72.5	73.7	74.7
50	47.4	50.1	52.8	55.5	58.7	61.5	63.9	65.9	67.7	69.3	70.7	71.9	73.1	74.2
60	46.6	49.4	52.2	55.0	58.2	61.0	63.4	65.4	67.1	68.7	70.1	71.4	72.5	73.6
70	46.1	48.9	51.7	54.5	57.7	60.5	62.8	64.9	66.6	68.2	69.6	70.8	72.0	73.1
80	45.6	48.4	51.2	54.0	57.2	60.0	62.3	64.4	66.1	67.7	69.1	70.3	71.5	72.5
90	45.4	48.1	50.8	53.5	56.7	59.5	61.9	63.9	65.7	67.2	68.6	69.9	71.0	72.1
100	45.0	47.7	50.4	53.1	56.3	59.1	61.4	63.5	65.2	66.8	68.2	69.4	70.6	71.6
110	44.3	47.1	49.9	52.7	55.9	58.7	61.0	63.1	64.8	66.4	67.8	69.0	70.2	71.2
120	44.2	46.9	49.6	52.3	55.5	58.3	60.7	62.7	64.4	66.0	67.4	68.6	69.8	70.8
130	43.6	46.4	49.2	52.0	55.1	57.9	60.3	62.3	64.1	65.6	67.0	68.3	69.4	70.5
140	43.5	46.2	48.9	51.6	54.8	57.6	60.0	62.0	63.7	65.3	66.7	67.9	69.1	70.1
150	42.9	45.7	48.5	51.3	54.5	57.3	59.6	61.6	63.4	65.0	66.4	67.6	68.8	69.8
160	42.6	45.4	48.2	51.0	54.2	57.0	59.3	61.3	63.1	64.7	66.0	67.3	68.5	69.5
170	42.3	45.1	47.9	50.7	53.9	56.7	59.0	61.1	62.8	64.4	65.8	67.0	68.2	69.2
180	42.3	45.0	47.7	50.4	53.6	56.4	58.8	60.8	62.5	64.1	65.5	66.7	67.9	69.0
190	42.0	44.7	47.4	50.1	53.3	56.1	58.5	60.5	62.3	63.8	65.2	66.5	67.6	68.7
200	41.5	44.3	47.1	49.9	53.1	55.9	58.2	60.3	62.0	63.6	65.0	66.2	67.4	68.4
210	41.5	44.2	46.9	49.6	52.8	55.6	58.0	60.0	61.8	63.3	64.7	66.0	67.1	68.2
220	41.3	44.0	46.7	49.4	52.6	55.4	57.7	59.8	61.5	63.1	64.5	65.7	66.9	68.0
230	40.8	43.6	46.4	49.2	52.4	55.2	57.5	59.5	61.3	62.9	64.3	65.5	66.7	67.7
240	40.6	43.4	46.2	49.0	52.2	54.9	57.3	59.3	61.1	62.6	64.0	65.3	66.4	67.5
250	40.6	43.3	46.0	48.7	51.9	54.7	57.1	59.1	60.9	62.4	63.8	65.1	66.2	67.3
260	40.4	43.1	45.8	48.5	51.7	54.5	56.9	58.9	60.7	62.2	63.6	64.9	66.0	67.1
270	40.2	42.9	45.6	48.3	51.5	54.3	56.7	58.7	60.5	62.0	63.4	64.7	65.8	66.9
280	40.0	42.7	45.4	48.1	51.3	54.1	56.5	58.5	60.3	61.8	63.2	64.5	65.6	66.7
290	39.8	42.5	45.2	47.9	51.2	53.9	56.3	58.3	60.1	61.6	63.0	64.3	65.5	66.5
300	39.4	42.2	45.0	47.8	51.0	53.8	56.1	58.1	59.9	61.5	62.9	64.1	65.3	66.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 84. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	47.5	50.3	53.1	55.9	59.1	61.9	64.3	66.3	68.1	69.6	71.1	72.3	73.5	74.6
30	45.5	48.3	51.1	53.9	57.2	60.0	62.4	64.5	66.3	67.9	69.3	70.6	71.8	72.9
40	45.2	48.0	50.8	53.6	56.8	59.6	62.0	64.1	65.9	67.4	68.9	70.2	71.3	72.4
50	45.1	47.8	50.5	53.2	56.5	59.3	61.6	63.7	65.5	67.0	68.5	69.7	70.9	72.0
60	44.4	47.2	50.0	52.8	56.0	58.8	61.2	63.2	65.0	66.6	68.0	69.3	70.5	71.5
70	44.0	46.8	49.6	52.4	55.6	58.4	60.8	62.8	64.6	66.1	67.5	68.8	70.0	71.1
80	43.8	46.5	49.2	51.9	55.2	57.9	60.3	62.3	64.1	65.7	67.1	68.4	69.5	70.6
90	43.4	46.1	48.8	51.5	54.7	57.5	59.9	61.9	63.7	65.3	66.7	67.9	69.1	70.2
100	43.0	45.7	48.4	51.1	54.3	57.1	59.5	61.5	63.3	64.8	66.2	67.5	68.7	69.7
110	42.6	45.3	48.0	50.7	53.9	56.7	59.1	61.1	62.9	64.5	65.9	67.1	68.3	69.4
120	42.0	44.8	47.6	50.4	53.6	56.4	58.7	60.8	62.5	64.1	65.5	66.8	67.9	69.0
130	41.9	44.6	47.3	50.0	53.2	56.0	58.4	60.4	62.2	63.7	65.1	66.4	67.6	68.6
140	41.3	44.1	46.9	49.7	52.9	55.7	58.1	60.1	61.8	63.4	64.8	66.1	67.2	68.3
150	41.0	43.8	46.6	49.4	52.6	55.4	57.7	59.8	61.5	63.1	64.5	65.8	66.9	68.0
160	40.7	43.5	46.3	49.1	52.3	55.1	57.4	59.5	61.2	62.8	64.2	65.5	66.6	67.7
170	40.4	43.2	46.0	48.8	52.0	54.8	57.2	59.2	61.0	62.5	63.9	65.2	66.4	67.4
180	40.4	43.1	45.8	48.5	51.7	54.5	56.9	58.9	60.7	62.2	63.6	64.9	66.1	67.1
190	39.9	42.7	45.5	48.3	51.5	54.3	56.6	58.7	60.4	62.0	63.4	64.7	65.8	66.9
200	39.6	42.4	45.2	48.0	51.2	54.0	56.4	58.4	60.2	61.7	63.1	64.4	65.6	66.6
210	39.4	42.2	45.0	47.8	51.0	53.8	56.1	58.2	59.9	61.5	62.9	64.2	65.3	66.4
220	39.4	42.1	44.8	47.5	50.7	53.5	55.9	57.9	59.7	61.3	62.7	63.9	65.1	66.2
230	38.9	41.7	44.5	47.3	50.5	53.3	55.7	57.7	59.5	61.0	62.4	63.7	64.9	65.9
240	38.7	41.5	44.3	47.1	50.3	53.1	55.5	57.5	59.3	60.8	62.2	63.5	64.7	65.7
250	38.5	41.3	44.1	46.9	50.1	52.9	55.3	57.3	59.1	60.6	62.0	63.3	64.5	65.5
260	38.3	41.1	43.9	46.7	49.9	52.7	55.0	57.1	58.8	60.4	61.8	63.1	64.3	65.3
270	38.1	40.9	43.7	46.5	49.7	52.5	54.9	56.9	58.7	60.2	61.6	62.9	64.1	65.1
280	37.9	40.7	43.5	46.3	49.5	52.3	54.7	56.7	58.5	60.0	61.4	62.7	63.9	64.9
290	37.7	40.5	43.3	46.1	49.3	52.1	54.5	56.5	58.3	59.8	61.2	62.5	63.7	64.8
300	37.8	40.5	43.2	45.9	49.1	51.9	54.3	56.3	58.1	59.7	61.1	62.3	63.5	64.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 85. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	45.9	48.6	51.3	54.0	57.3	60.1	62.5	64.5	66.3	67.9	69.3	70.6	71.8	72.9
30	43.7	46.5	49.3	52.1	55.4	58.2	60.6	62.7	64.5	66.1	67.5	68.8	70.1	71.2
40	43.2	46.0	48.8	51.6	54.8	57.6	60.0	62.1	63.9	65.5	67.0	68.3	69.5	70.6
50	42.8	45.6	48.4	51.2	54.5	57.3	59.7	61.7	63.5	65.1	66.6	67.9	69.1	70.2
60	42.7	45.4	48.1	50.8	54.1	56.9	59.3	61.3	63.1	64.7	66.1	67.4	68.6	69.7
70	42.0	44.8	47.6	50.4	53.7	56.5	58.9	60.9	62.7	64.3	65.7	67.0	68.2	69.3
80	41.6	44.4	47.2	50.0	53.2	56.1	58.4	60.5	62.3	63.9	65.3	66.6	67.7	68.8
90	41.2	44.0	46.8	49.6	52.8	55.6	58.0	60.1	61.9	63.4	64.9	66.1	67.3	68.4
100	40.8	43.6	46.4	49.2	52.4	55.2	57.6	59.7	61.5	63.0	64.5	65.7	66.9	68.0
110	40.7	43.4	46.1	48.8	52.1	54.9	57.3	59.3	61.1	62.7	64.1	65.4	66.5	67.6
120	40.1	42.9	45.7	48.5	51.7	54.5	56.9	58.9	60.7	62.3	63.7	65.0	66.2	67.3
130	40.0	42.7	45.4	48.1	51.4	54.2	56.6	58.6	60.4	62.0	63.4	64.7	65.8	66.9
140	39.7	42.4	45.1	47.8	51.0	53.9	56.2	58.3	60.1	61.6	63.1	64.3	65.5	66.6
150	39.1	41.9	44.7	47.5	50.7	53.5	55.9	58.0	59.8	61.3	62.7	64.0	65.2	66.3
160	38.8	41.6	44.4	47.2	50.4	53.3	55.6	57.7	59.5	61.0	62.5	63.7	64.9	66.0
170	38.8	41.5	44.2	46.9	50.2	53.0	55.4	57.4	59.2	60.8	62.2	63.5	64.6	65.7
180	38.3	41.1	43.9	46.7	49.9	52.7	55.1	57.1	58.9	60.5	61.9	63.2	64.4	65.4
190	38.0	40.8	43.6	46.4	49.6	52.4	54.8	56.9	58.7	60.2	61.7	62.9	64.1	65.2
200	37.8	40.6	43.4	46.2	49.4	52.2	54.6	56.6	58.4	60.0	61.4	62.7	63.9	64.9
210	37.8	40.5	43.2	45.9	49.2	52.0	54.3	56.4	58.2	59.7	61.2	62.4	63.6	64.7
220	37.3	40.1	42.9	45.7	48.9	51.7	54.1	56.2	57.9	59.5	60.9	62.2	63.4	64.5
230	37.1	39.9	42.7	45.5	48.7	51.5	53.9	55.9	57.7	59.3	60.7	62.0	63.2	64.3
240	36.9	39.7	42.5	45.3	48.5	51.3	53.7	55.7	57.5	59.1	60.5	61.8	63.0	64.0
250	36.7	39.5	42.3	45.1	48.3	51.1	53.5	55.5	57.3	58.9	60.3	61.6	62.8	63.8
260	36.7	39.4	42.1	44.8	48.1	50.9	53.3	55.3	57.1	58.7	60.1	61.4	62.6	63.6
270	36.3	39.1	41.9	44.7	47.9	50.7	53.1	55.1	56.9	58.5	59.9	61.2	62.4	63.5
280	36.1	38.9	41.7	44.5	47.7	50.5	52.9	54.9	56.7	58.3	59.7	61.0	62.2	63.3
290	35.9	38.7	41.5	44.3	47.5	50.3	52.7	54.7	56.5	58.1	59.5	60.8	62.0	63.1
300	35.7	38.5	41.3	44.1	47.3	50.1	52.5	54.6	56.3	57.9	59.3	60.6	61.8	62.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 86. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	44.3	47.1	49.9	52.7	55.9	58.7	61.1	63.2	65.0	66.6	68.0	69.3	70.5	71.6
30	42.5	45.3	48.1	50.9	54.1	57.0	59.4	61.5	63.3	64.9	66.3	67.6	68.8	69.9
40	41.4	44.3	47.2	50.1	53.3	56.1	58.6	60.6	62.4	64.1	65.5	66.8	68.0	69.1
50	41.2	44.0	46.8	49.6	52.8	55.7	58.1	60.2	62.0	63.6	65.0	66.3	67.5	68.6
60	40.8	43.6	46.4	49.2	52.4	55.3	57.7	59.8	61.6	63.2	64.6	65.9	67.1	68.2
70	40.4	43.2	46.0	48.8	52.0	54.9	57.3	59.3	61.1	62.7	64.2	65.5	66.7	67.8
80	40.0	42.8	45.6	48.4	51.7	54.5	56.9	58.9	60.7	62.3	63.8	65.1	66.3	67.4
90	39.6	42.4	45.2	48.0	51.3	54.1	56.5	58.5	60.3	61.9	63.4	64.7	65.9	66.9
100	39.3	42.1	44.9	47.7	50.9	53.7	56.1	58.2	60.0	61.6	63.0	64.3	65.5	66.6
110	38.9	41.7	44.5	47.3	50.5	53.4	55.8	57.8	59.6	61.2	62.6	63.9	65.1	66.2
120	38.6	41.4	44.2	47.0	50.2	53.0	55.4	57.5	59.3	60.8	62.3	63.6	64.8	65.8
130	38.5	41.2	43.9	46.6	49.9	52.7	55.1	57.1	58.9	60.5	61.9	63.2	64.4	65.5
140	37.9	40.7	43.5	46.3	49.6	52.4	54.8	56.8	58.6	60.2	61.6	62.9	64.1	65.2
150	37.6	40.4	43.2	46.0	49.3	52.1	54.5	56.5	58.3	59.9	61.3	62.6	63.8	64.9
160	37.6	40.3	43.0	45.7	49.0	51.8	54.2	56.2	58.0	59.6	61.0	62.3	63.5	64.6
170	37.1	39.9	42.7	45.5	48.7	51.5	53.9	56.0	57.7	59.3	60.8	62.1	63.2	64.3
180	36.8	39.6	42.4	45.2	48.4	51.2	53.6	55.7	57.5	59.1	60.5	61.8	63.0	64.1
190	36.8	39.5	42.2	44.9	48.2	51.0	53.4	55.4	57.2	58.8	60.2	61.5	62.7	63.8
200	36.3	39.1	41.9	44.7	47.9	50.8	53.1	55.2	57.0	58.6	60.0	61.3	62.5	63.6
210	36.1	38.9	41.7	44.5	47.7	50.5	52.9	55.0	56.8	58.3	59.8	61.1	62.2	63.3
220	36.1	38.8	41.5	44.2	47.5	50.3	52.7	54.7	56.5	58.1	59.5	60.8	62.0	63.1
230	35.6	38.4	41.2	44.0	47.2	50.1	52.5	54.5	56.3	57.9	59.3	60.6	61.8	62.9
240	35.4	38.2	41.0	43.8	47.0	49.9	52.2	54.3	56.1	57.7	59.1	60.4	61.6	62.7
250	35.2	38.0	40.8	43.6	46.8	49.7	52.0	54.1	55.9	57.5	58.9	60.2	61.4	62.5
260	35.0	37.8	40.6	43.4	46.6	49.5	51.8	53.9	55.7	57.3	58.7	60.0	61.2	62.3
270	34.8	37.6	40.4	43.2	46.4	49.3	51.7	53.7	55.5	57.1	58.5	59.8	61.0	62.1
280	34.6	37.4	40.2	43.0	46.2	49.1	51.5	53.5	55.3	56.9	58.3	59.6	60.8	61.9
290	34.4	37.2	40.0	42.8	46.1	48.9	51.3	53.3	55.1	56.7	58.1	59.4	60.6	61.7
300	34.3	37.1	39.9	42.7	45.9	48.7	51.1	53.2	54.9	56.5	58.0	59.3	60.5	61.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 87. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	43.1	45.9	48.7	51.5	54.7	57.5	59.9	62.0	63.8	65.4	66.8	68.1	69.3	70.4
30	41.5	44.3	47.1	49.9	53.2	56.0	58.4	60.5	62.3	63.9	65.4	66.7	67.9	69.0
40	40.5	43.3	46.1	48.9	52.2	55.0	57.4	59.5	61.3	62.9	64.4	65.7	66.9	68.0
50	39.6	42.5	45.4	48.3	51.5	54.4	56.8	58.9	60.7	62.3	63.7	65.1	66.3	67.4
60	39.4	42.2	45.0	47.8	51.1	53.9	56.3	58.4	60.2	61.8	63.3	64.6	65.8	66.9
70	39.1	41.9	44.7	47.5	50.7	53.5	56.0	58.0	59.8	61.4	62.9	64.2	65.4	66.5
80	38.7	41.5	44.3	47.1	50.3	53.2	55.6	57.7	59.5	61.1	62.5	63.8	65.0	66.1
90	38.4	41.2	44.0	46.8	50.0	52.8	55.2	57.3	59.1	60.7	62.1	63.4	64.6	65.7
100	38.0	40.8	43.6	46.4	49.6	52.5	54.9	56.9	58.7	60.3	61.8	63.1	64.3	65.4
110	37.7	40.5	43.3	46.1	49.3	52.1	54.5	56.6	58.4	60.0	61.4	62.7	63.9	65.0
120	37.3	40.1	42.9	45.7	49.0	51.8	54.2	56.3	58.1	59.7	61.1	62.4	63.6	64.7
130	37.0	39.8	42.6	45.4	48.7	51.5	53.9	55.9	57.7	59.3	60.8	62.1	63.3	64.4
140	36.7	39.5	42.3	45.1	48.4	51.2	53.6	55.6	57.4	59.0	60.5	61.8	63.0	64.1
150	36.4	39.2	42.0	44.8	48.1	50.9	53.3	55.3	57.1	58.7	60.2	61.5	62.7	63.8
160	36.2	39.0	41.8	44.6	47.8	50.6	53.0	55.1	56.9	58.5	59.9	61.2	62.4	63.5
170	35.9	38.7	41.5	44.3	47.5	50.3	52.7	54.8	56.6	58.2	59.6	60.9	62.1	63.2
180	35.6	38.4	41.2	44.0	47.3	50.1	52.5	54.5	56.3	57.9	59.4	60.7	61.8	62.9
190	35.4	38.2	41.0	43.8	47.0	49.8	52.2	54.3	56.1	57.7	59.1	60.4	61.6	62.7
200	35.1	37.9	40.7	43.5	46.8	49.6	52.0	54.1	55.8	57.4	58.9	60.2	61.4	62.5
210	34.9	37.7	40.5	43.3	46.5	49.4	51.8	53.8	55.6	57.2	58.6	59.9	61.1	62.2
220	34.7	37.5	40.3	43.1	46.3	49.1	51.5	53.6	55.4	57.0	58.4	59.7	60.9	62.0
230	34.5	37.3	40.1	42.9	46.1	48.9	51.3	53.4	55.2	56.8	58.2	59.5	60.7	61.8
240	34.3	37.1	39.9	42.7	45.9	48.7	51.1	53.2	55.0	56.6	58.0	59.3	60.5	61.6
250	34.3	37.0	39.7	42.4	45.7	48.5	50.9	53.0	54.8	56.4	57.8	59.1	60.3	61.4
260	34.1	36.8	39.5	42.2	45.5	48.3	50.7	52.8	54.6	56.2	57.6	58.9	60.1	61.2
270	33.7	36.5	39.3	42.1	45.3	48.1	50.5	52.6	54.4	56.0	57.4	58.7	59.9	61.0
280	33.5	36.3	39.1	41.9	45.1	47.9	50.3	52.4	54.2	55.8	57.2	58.5	59.7	60.8
290	33.3	36.1	38.9	41.7	44.9	47.8	50.1	52.2	54.0	55.6	57.0	58.3	59.5	60.6
300	33.1	35.9	38.7	41.5	44.7	47.6	50.0	52.0	53.8	55.4	56.9	58.2	59.4	60.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 88. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	42.1	44.9	47.7	50.5	53.7	56.6	58.9	61.0	62.8	64.4	65.8	67.1	68.3	69.4
30	40.7	43.5	46.3	49.1	52.4	55.2	57.6	59.7	61.5	63.1	64.6	65.9	67.1	68.2
40	39.6	42.4	45.2	48.0	51.3	54.1	56.5	58.6	60.4	62.0	63.5	64.8	66.0	67.1
50	38.8	41.6	44.4	47.2	50.4	53.3	55.7	57.8	59.6	61.2	62.7	64.0	65.2	66.3
60	38.3	41.1	43.9	46.7	49.9	52.8	55.2	57.3	59.1	60.7	62.2	63.5	64.7	65.8
70	37.9	40.7	43.5	46.3	49.6	52.4	54.8	56.9	58.7	60.3	61.8	63.1	64.3	65.4
80	37.6	40.4	43.2	46.0	49.2	52.1	54.5	56.5	58.4	60.0	61.4	62.7	63.9	65.0
90	37.2	40.0	42.8	45.6	48.9	51.7	54.1	56.2	58.0	59.6	61.1	62.4	63.6	64.7
100	36.9	39.7	42.5	45.3	48.5	51.4	53.8	55.9	57.7	59.3	60.7	62.0	63.2	64.3
110	36.6	39.4	42.2	45.0	48.2	51.1	53.5	55.5	57.3	58.9	60.4	61.7	62.9	64.0
120	36.3	39.1	41.9	44.7	47.9	50.7	53.1	55.2	57.0	58.6	60.0	61.4	62.6	63.7
130	36.0	38.8	41.6	44.4	47.6	50.4	52.8	54.9	56.7	58.3	59.7	61.0	62.2	63.3
140	35.7	38.5	41.3	44.1	47.3	50.1	52.5	54.6	56.4	58.0	59.4	60.7	61.9	63.0
150	35.4	38.2	41.0	43.8	47.0	49.9	52.3	54.3	56.1	57.7	59.2	60.5	61.7	62.8
160	35.1	37.9	40.7	43.5	46.8	49.6	52.0	54.0	55.8	57.4	58.9	60.2	61.4	62.5
170	34.9	37.7	40.5	43.3	46.5	49.3	51.7	53.8	55.6	57.2	58.6	59.9	61.1	62.2
180	34.6	37.4	40.2	43.0	46.2	49.1	51.5	53.5	55.3	56.9	58.4	59.7	60.9	62.0
190	34.4	37.2	40.0	42.8	46.0	48.8	51.2	53.3	55.1	56.7	58.1	59.4	60.6	61.7
200	34.1	36.9	39.7	42.5	45.8	48.6	51.0	53.1	54.9	56.4	57.9	59.2	60.4	61.5
210	33.9	36.7	39.5	42.3	45.5	48.4	50.8	52.8	54.6	56.2	57.7	59.0	60.2	61.3
220	33.7	36.5	39.3	42.1	45.3	48.1	50.5	52.6	54.4	56.0	57.4	58.7	59.9	61.0
230	33.5	36.3	39.1	41.9	45.1	47.9	50.3	52.4	54.2	55.8	57.2	58.5	59.7	60.8
240	33.3	36.1	38.9	41.7	44.9	47.7	50.1	52.2	54.0	55.6	57.0	58.3	59.5	60.6
250	33.1	35.9	38.7	41.5	44.7	47.5	49.9	52.0	53.8	55.4	56.8	58.1	59.3	60.4
260	32.9	35.7	38.5	41.3	44.5	47.3	49.7	51.8	53.6	55.2	56.6	57.9	59.1	60.2
270	32.7	35.5	38.3	41.1	44.3	47.1	49.5	51.6	53.4	55.0	56.4	57.7	58.9	60.0
280	32.5	35.3	38.1	40.9	44.1	47.0	49.4	51.4	53.2	54.8	56.2	57.6	58.7	59.9
290	32.3	35.1	37.9	40.7	43.9	46.8	49.2	51.2	53.0	54.6	56.1	57.4	58.6	59.7
300	32.1	34.9	37.7	40.5	43.8	46.6	49.0	51.1	52.9	54.5	55.9	57.2	58.4	59.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 89. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	41.1	43.9	46.7	49.5	52.7	55.6	58.0	60.0	61.8	63.4	64.9	66.2	67.4	68.5
30	39.9	42.7	45.5	48.3	51.5	54.4	56.8	58.9	60.7	62.3	63.7	65.0	66.2	67.4
40	38.9	41.7	44.5	47.3	50.5	53.4	55.8	57.9	59.7	61.3	62.7	64.0	65.2	66.4
50	37.9	40.7	43.5	46.3	49.6	52.4	54.8	56.9	58.7	60.4	61.8	63.1	64.3	65.5
60	37.3	40.1	42.9	45.7	49.0	51.8	54.2	56.3	58.1	59.8	61.2	62.6	63.8	64.9
70	36.9	39.7	42.5	45.3	48.5	51.4	53.8	55.9	57.7	59.3	60.8	62.1	63.3	64.4
80	36.5	39.3	42.1	44.9	48.2	51.0	53.5	55.5	57.4	59.0	60.4	61.7	62.9	64.1
90	36.2	39.0	41.8	44.6	47.9	50.7	53.1	55.2	57.0	58.6	60.1	61.4	62.6	63.7
100	35.9	38.7	41.5	44.3	47.5	50.4	52.8	54.9	56.7	58.3	59.7	61.0	62.3	63.4
110	35.6	38.4	41.2	44.0	47.2	50.1	52.5	54.6	56.4	58.0	59.4	60.7	61.9	63.0
120	35.3	38.1	40.9	43.7	46.9	49.8	52.2	54.2	56.1	57.7	59.1	60.4	61.6	62.7
130	35.0	37.8	40.6	43.4	46.6	49.5	51.9	54.0	55.8	57.4	58.8	60.1	61.3	62.4
140	34.7	37.5	40.3	43.1	46.4	49.2	51.6	53.7	55.5	57.1	58.5	59.8	61.0	62.1
150	34.4	37.2	40.0	42.8	46.1	48.9	51.3	53.4	55.2	56.8	58.2	59.5	60.7	61.8
160	34.2	37.0	39.8	42.6	45.8	48.7	51.1	53.1	54.9	56.5	58.0	59.3	60.5	61.6
170	33.9	36.7	39.5	42.3	45.6	48.4	50.8	52.9	54.7	56.3	57.7	59.0	60.2	61.3
180	33.7	36.5	39.3	42.1	45.3	48.1	50.6	52.6	54.4	56.0	57.5	58.8	60.0	61.1
190	33.4	36.2	39.0	41.8	45.1	47.9	50.3	52.4	54.2	55.8	57.2	58.5	59.7	60.8
200	33.2	36.0	38.8	41.6	44.8	47.7	50.1	52.1	53.9	55.5	57.0	58.3	59.5	60.6
210	33.0	35.8	38.6	41.4	44.6	47.5	49.9	51.9	53.7	55.3	56.8	58.1	59.3	60.4
220	32.8	35.6	38.4	41.2	44.4	47.2	49.6	51.7	53.5	55.1	56.5	57.8	59.0	60.1
230	32.8	35.5	38.2	40.9	44.2	47.0	49.4	51.5	53.3	54.9	56.3	57.6	58.8	59.9
240	32.3	35.1	37.9	40.7	44.0	46.8	49.2	51.3	53.1	54.7	56.1	57.4	58.6	59.7
250	32.1	34.9	37.7	40.5	43.8	46.6	49.0	51.1	52.9	54.5	55.9	57.2	58.4	59.5
260	32.0	34.8	37.6	40.4	43.6	46.4	48.8	50.9	52.7	54.3	55.7	57.0	58.2	59.3
270	31.8	34.6	37.4	40.2	43.4	46.2	48.6	50.7	52.5	54.1	55.5	56.9	58.1	59.2
280	31.6	34.4	37.2	40.0	43.2	46.1	48.5	50.5	52.3	53.9	55.4	56.7	57.9	59.0
290	31.4	34.2	37.0	39.8	43.0	45.9	48.3	50.3	52.1	53.7	55.2	56.5	57.7	58.8
300	31.2	34.0	36.8	39.6	42.9	45.7	48.1	50.2	52.0	53.6	55.0	56.3	57.5	58.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 90. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	40.2	43.0	45.8	48.6	51.9	54.7	57.1	59.1	61.0	62.5	64.0	65.3	66.5	67.6
30	39.1	41.9	44.7	47.5	50.8	53.6	56.1	58.1	59.9	61.6	63.0	64.3	65.5	66.6
40	38.2	41.0	43.8	46.6	49.8	52.7	55.1	57.2	59.0	60.6	62.0	63.3	64.6	65.7
50	37.2	40.0	42.8	45.6	48.9	51.7	54.2	56.2	58.1	59.7	61.1	62.5	63.7	64.8
60	36.5	39.3	42.1	44.9	48.2	51.0	53.5	55.5	57.4	59.0	60.4	61.8	63.0	64.1
70	36.0	38.8	41.6	44.4	47.7	50.5	53.0	55.0	56.9	58.5	59.9	61.3	62.5	63.6
80	35.6	38.4	41.2	44.0	47.3	50.1	52.6	54.7	56.5	58.1	59.5	60.9	62.1	63.2
90	35.3	38.1	40.9	43.7	47.0	49.8	52.2	54.3	56.1	57.7	59.2	60.5	61.7	62.8
100	35.0	37.8	40.6	43.4	46.6	49.5	51.9	54.0	55.8	57.4	58.9	60.2	61.4	62.5
110	34.7	37.5	40.3	43.1	46.3	49.2	51.6	53.7	55.5	57.1	58.5	59.9	61.1	62.2
120	34.4	37.2	40.0	42.8	46.0	48.9	51.3	53.4	55.2	56.8	58.2	59.6	60.8	61.9
130	34.1	36.9	39.7	42.5	45.8	48.6	51.0	53.1	54.9	56.5	58.0	59.3	60.5	61.6
140	33.8	36.6	39.4	42.2	45.5	48.3	50.7	52.8	54.6	56.2	57.7	59.0	60.2	61.3
150	33.6	36.4	39.2	42.0	45.2	48.1	50.5	52.5	54.3	56.0	57.4	58.7	59.9	61.0
160	33.3	36.1	38.9	41.7	45.0	47.8	50.2	52.3	54.1	55.7	57.1	58.4	59.6	60.8
170	33.1	35.9	38.7	41.5	44.7	47.6	50.0	52.0	53.8	55.4	56.9	58.2	59.4	60.5
180	32.8	35.6	38.4	41.2	44.5	47.3	49.7	51.8	53.6	55.2	56.6	57.9	59.1	60.3
190	32.6	35.4	38.2	41.0	44.2	47.1	49.5	51.5	53.4	55.0	56.4	57.7	58.9	60.0
200	32.4	35.2	38.0	40.8	44.0	46.8	49.3	51.3	53.1	54.7	56.2	57.5	58.7	59.8
210	32.1	34.9	37.7	40.5	43.8	46.6	49.0	51.1	52.9	54.5	55.9	57.3	58.5	59.6
220	31.9	34.7	37.5	40.3	43.6	46.4	48.8	50.9	52.7	54.3	55.7	57.0	58.2	59.4
230	31.7	34.5	37.3	40.1	43.4	46.2	48.6	50.7	52.5	54.1	55.5	56.8	58.0	59.1
240	31.5	34.3	37.1	39.9	43.2	46.0	48.4	50.5	52.3	53.9	55.3	56.6	57.8	58.9
250	31.3	34.1	36.9	39.7	43.0	45.8	48.2	50.3	52.1	53.7	55.1	56.4	57.6	58.7
260	31.1	33.9	36.7	39.5	42.8	45.6	48.0	50.1	51.9	53.5	54.9	56.2	57.4	58.6
270	30.9	33.7	36.5	39.3	42.6	45.4	47.8	49.9	51.7	53.3	54.7	56.1	57.3	58.4
280	30.8	33.6	36.4	39.2	42.4	45.2	47.7	49.7	51.5	53.1	54.6	55.9	57.1	58.2
290	30.6	33.4	36.2	39.0	42.2	45.1	47.5	49.5	51.3	53.0	54.4	55.7	56.9	58.0
300	30.4	33.2	36.0	38.8	42.1	44.9	47.3	49.4	51.2	52.8	54.2	55.5	56.7	57.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 91. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	39.6	42.4	45.2	48.0	51.2	54.0	56.4	58.5	60.3	61.9	63.3	64.6	65.8	66.9
30	38.6	41.4	44.2	47.0	50.2	53.1	55.5	57.5	59.3	61.0	62.4	63.7	64.9	66.0
40	37.5	40.3	43.1	45.9	49.2	52.0	54.4	56.5	58.3	59.9	61.4	62.7	63.9	65.0
50	36.6	39.4	42.2	45.0	48.3	51.1	53.6	55.6	57.4	59.1	60.5	61.8	63.0	64.2
60	35.9	38.7	41.5	44.3	47.6	50.4	52.8	54.9	56.7	58.3	59.8	61.1	62.3	63.5
70	35.3	38.1	40.9	43.7	47.0	49.8	52.3	54.4	56.2	57.8	59.3	60.6	61.8	62.9
80	34.9	37.7	40.5	43.3	46.6	49.4	51.8	53.9	55.7	57.4	58.8	60.1	61.4	62.5
90	34.5	37.3	40.1	42.9	46.2	49.0	51.5	53.5	55.4	57.0	58.4	59.8	61.0	62.1
100	34.2	37.0	39.8	42.6	45.8	48.7	51.1	53.2	55.0	56.6	58.1	59.4	60.6	61.7
110	33.9	36.7	39.5	42.3	45.5	48.4	50.8	52.9	54.7	56.3	57.8	59.1	60.3	61.4
120	33.6	36.4	39.2	42.0	45.3	48.1	50.5	52.6	54.4	56.0	57.5	58.8	60.0	61.1
130	33.3	36.1	38.9	41.7	45.0	47.8	50.2	52.3	54.1	55.7	57.2	58.5	59.7	60.8
140	33.0	35.8	38.6	41.4	44.7	47.5	50.0	52.0	53.8	55.5	56.9	58.2	59.4	60.5
150	32.8	35.6	38.4	41.2	44.4	47.3	49.7	51.8	53.6	55.2	56.6	57.9	59.2	60.3
160	32.5	35.3	38.1	40.9	44.2	47.0	49.4	51.5	53.3	54.9	56.4	57.7	58.9	60.0
170	32.3	35.1	37.9	40.7	43.9	46.8	49.2	51.3	53.1	54.7	56.1	57.4	58.6	59.8
180	31.8	34.7	37.6	40.5	43.7	46.5	49.0	51.0	52.8	54.4	55.9	57.2	58.4	59.5
190	31.8	34.6	37.4	40.2	43.5	46.3	48.7	50.8	52.6	54.2	55.7	57.0	58.2	59.3
200	31.6	34.4	37.2	40.0	43.3	46.1	48.5	50.6	52.4	54.0	55.4	56.7	57.9	59.1
210	31.4	34.2	37.0	39.8	43.0	45.9	48.3	50.3	52.2	53.8	55.2	56.5	57.7	58.8
220	31.2	34.0	36.8	39.6	42.8	45.7	48.1	50.1	51.9	53.6	55.0	56.3	57.5	58.6
230	31.0	33.8	36.6	39.4	42.6	45.5	47.9	49.9	51.7	53.3	54.8	56.1	57.3	58.4
240	30.8	33.6	36.4	39.2	42.4	45.3	47.7	49.7	51.5	53.1	54.6	55.9	57.1	58.2
250	30.6	33.4	36.2	39.0	42.2	45.1	47.5	49.5	51.3	53.0	54.4	55.7	56.9	58.0
260	30.4	33.2	36.0	38.8	42.0	44.9	47.3	49.4	51.2	52.8	54.2	55.5	56.7	57.8
270	30.2	33.0	35.8	38.6	41.9	44.7	47.1	49.2	51.0	52.6	54.0	55.3	56.5	57.6
280	30.0	32.8	35.6	38.4	41.7	44.5	46.9	49.0	50.8	52.4	53.8	55.2	56.4	57.5
290	29.8	32.6	35.4	38.2	41.5	44.3	46.7	48.8	50.6	52.2	53.7	55.0	56.2	57.3
300	29.7	32.5	35.3	38.1	41.3	44.2	46.6	48.6	50.4	52.1	53.5	54.8	56.0	57.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 92. 2 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	47.4	50.2	53.0	55.8	59.0	61.8	64.2	66.3	68.1	69.6	71.1	72.4	73.5	74.6
30	44.8	47.6	50.4	53.2	56.5	59.3	61.7	63.8	65.6	67.2	68.7	70.0	71.2	72.4
40	43.4	46.2	49.0	51.8	55.1	57.9	60.4	62.4	64.3	65.9	67.4	68.7	69.9	71.0
50	42.2	45.0	47.8	50.6	53.9	56.7	59.2	61.3	63.1	64.7	66.2	67.5	68.8	69.9
60	40.9	43.8	46.7	49.6	52.8	55.7	58.1	60.2	62.1	63.7	65.2	66.5	67.8	68.9
70	40.2	43.0	45.8	48.6	51.9	54.8	57.2	59.3	61.2	62.8	64.3	65.6	66.9	68.0
80	39.2	42.1	45.0	47.9	51.1	54.0	56.5	58.6	60.4	62.1	63.6	64.9	66.1	67.3
90	38.7	41.5	44.3	47.1	50.4	53.3	55.8	57.9	59.7	61.4	62.9	64.2	65.5	66.6
100	37.8	40.7	43.6	46.5	49.8	52.7	55.1	57.2	59.1	60.7	62.2	63.6	64.8	66.0
110	37.5	40.3	43.1	45.9	49.2	52.1	54.6	56.7	58.5	60.2	61.7	63.0	64.3	65.4
120	37.0	39.8	42.6	45.4	48.7	51.6	54.1	56.2	58.0	59.7	61.2	62.6	63.8	65.0
130	36.3	39.2	42.1	45.0	48.3	51.2	53.6	55.7	57.6	59.3	60.8	62.1	63.4	64.5
140	36.1	38.9	41.7	44.5	47.8	50.7	53.2	55.3	57.2	58.9	60.3	61.7	63.0	64.1
150	35.5	38.4	41.3	44.2	47.5	50.4	52.8	54.9	56.8	58.5	60.0	61.3	62.6	63.8
160	35.1	38.0	40.9	43.8	47.1	50.0	52.5	54.6	56.5	58.1	59.6	61.0	62.2	63.4
170	34.8	37.7	40.6	43.5	46.8	49.7	52.1	54.3	56.1	57.8	59.3	60.7	61.9	63.1
180	34.5	37.4	40.3	43.2	46.5	49.4	51.8	54.0	55.8	57.5	59.0	60.4	61.6	62.8
190	34.2	37.1	40.0	42.9	46.2	49.1	51.6	53.7	55.6	57.2	58.7	60.1	61.3	62.5
200	33.9	36.8	39.7	42.6	45.9	48.8	51.3	53.4	55.3	57.0	58.5	59.8	61.1	62.3
210	33.7	36.6	39.5	42.4	45.7	48.6	51.0	53.2	55.0	56.7	58.2	59.6	60.8	62.0
220	33.4	36.3	39.2	42.1	45.4	48.3	50.8	52.9	54.8	56.5	58.0	59.3	60.6	61.8
230	33.2	36.1	39.0	41.9	45.2	48.1	50.6	52.7	54.6	56.2	57.8	59.1	60.4	61.5
240	33.0	35.9	38.8	41.7	45.0	47.9	50.4	52.5	54.4	56.0	57.5	58.9	60.2	61.3
250	32.8	35.7	38.6	41.5	44.8	47.7	50.2	52.3	54.2	55.8	57.3	58.7	60.0	61.1
260	32.6	35.5	38.4	41.3	44.6	47.5	50.0	52.1	54.0	55.6	57.1	58.5	59.8	60.9
270	32.4	35.3	38.2	41.1	44.4	47.3	49.8	51.9	53.8	55.5	57.0	58.3	59.6	60.8
280	32.2	35.1	38.0	40.9	44.2	47.1	49.6	51.7	53.6	55.3	56.8	58.1	59.4	60.6
290	32.2	35.1	37.9	40.7	44.1	47.0	49.4	51.6	53.4	55.1	56.6	58.0	59.2	60.4
300	31.9	34.8	37.7	40.6	43.9	46.8	49.3	51.4	53.3	54.9	56.4	57.8	59.1	60.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 93. 3 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	45.9	48.7	51.5	54.3	57.5	60.3	62.7	64.8	66.5	68.1	69.5	70.8	72.0	73.1
30	43.1	45.9	48.7	51.5	54.8	57.6	60.0	62.1	63.9	65.6	67.0	68.3	69.6	70.7
40	41.7	44.5	47.3	50.1	53.4	56.3	58.7	60.8	62.6	64.2	65.7	67.0	68.3	69.4
50	40.7	43.5	46.3	49.1	52.4	55.2	57.7	59.8	61.6	63.2	64.7	66.0	67.3	68.4
60	39.8	42.6	45.4	48.2	51.5	54.4	56.8	58.9	60.7	62.4	63.8	65.2	66.4	67.6
70	38.7	41.6	44.5	47.4	50.7	53.5	56.0	58.1	59.9	61.6	63.0	64.4	65.6	66.8
80	37.9	40.8	43.7	46.6	49.9	52.7	55.2	57.3	59.1	60.8	62.3	63.6	64.9	66.0
90	37.5	40.3	43.1	45.9	49.2	52.1	54.5	56.6	58.5	60.1	61.6	63.0	64.2	65.4
100	36.9	39.7	42.5	45.3	48.6	51.5	53.9	56.1	57.9	59.6	61.0	62.4	63.6	64.8
110	36.1	39.0	41.9	44.8	48.1	51.0	53.4	55.5	57.4	59.0	60.5	61.9	63.1	64.3
120	35.6	38.5	41.4	44.3	47.6	50.5	52.9	55.0	56.9	58.6	60.0	61.4	62.7	63.8
130	35.4	38.2	41.0	43.8	47.1	50.0	52.5	54.6	56.5	58.1	59.6	61.0	62.2	63.4
140	34.7	37.6	40.5	43.4	46.7	49.6	52.1	54.2	56.1	57.7	59.2	60.6	61.8	63.0
150	34.6	37.4	40.2	43.0	46.3	49.2	51.7	53.8	55.7	57.3	58.8	60.2	61.5	62.6
160	34.0	36.9	39.8	42.7	46.0	48.9	51.3	53.5	55.3	57.0	58.5	59.9	61.1	62.3
170	33.7	36.6	39.5	42.4	45.7	48.6	51.0	53.2	55.0	56.7	58.2	59.5	60.8	62.0
180	33.4	36.3	39.2	42.1	45.4	48.3	50.7	52.9	54.7	56.4	57.9	59.3	60.5	61.7
190	33.1	36.0	38.9	41.8	45.1	48.0	50.4	52.6	54.4	56.1	57.6	59.0	60.2	61.4
200	32.8	35.7	38.6	41.5	44.8	47.7	50.2	52.3	54.2	55.8	57.3	58.7	60.0	61.1
210	32.8	35.6	38.4	41.2	44.6	47.5	49.9	52.1	53.9	55.6	57.1	58.5	59.7	60.9
220	32.3	35.2	38.1	41.0	44.3	47.2	49.7	51.8	53.7	55.4	56.9	58.2	59.5	60.7
230	32.1	35.0	37.9	40.8	44.1	47.0	49.5	51.6	53.5	55.1	56.6	58.0	59.3	60.4
240	31.9	34.8	37.7	40.6	43.9	46.8	49.2	51.4	53.3	54.9	56.4	57.8	59.0	60.2
250	31.7	34.6	37.5	40.4	43.7	46.6	49.0	51.2	53.0	54.7	56.2	57.6	58.8	60.0
260	31.5	34.4	37.3	40.2	43.5	46.4	48.8	51.0	52.9	54.5	56.0	57.4	58.7	59.8
270	31.3	34.2	37.1	40.0	43.3	46.2	48.7	50.8	52.7	54.3	55.8	57.2	58.5	59.6
280	31.1	34.0	36.9	39.8	43.1	46.0	48.5	50.6	52.5	54.1	55.7	57.0	58.3	59.5
290	30.9	33.8	36.7	39.6	42.9	45.8	48.3	50.4	52.3	54.0	55.5	56.8	58.1	59.3
300	30.8	33.8	36.6	39.4	42.8	45.7	48.1	50.3	52.1	53.8	55.3	56.7	57.9	59.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 94. 4 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	44.4	47.2	50.0	52.8	56.1	58.9	61.3	63.4	65.2	66.8	68.2	69.5	70.7	71.8
30	41.8	44.6	47.4	50.2	53.5	56.3	58.7	60.8	62.6	64.3	65.7	67.0	68.3	69.4
40	40.4	43.2	46.0	48.8	52.1	54.9	57.4	59.5	61.3	62.9	64.4	65.7	67.0	68.1
50	39.4	42.2	45.0	47.8	51.1	54.0	56.4	58.5	60.3	62.0	63.5	64.8	66.0	67.2
60	38.3	41.2	44.1	47.0	50.2	53.1	55.6	57.7	59.5	61.2	62.6	64.0	65.2	66.4
70	37.8	40.6	43.4	46.2	49.5	52.4	54.8	56.9	58.8	60.4	61.9	63.2	64.5	65.6
80	37.1	39.9	42.7	45.5	48.8	51.7	54.1	56.3	58.1	59.7	61.2	62.6	63.8	65.0
90	36.2	39.1	42.0	44.9	48.2	51.1	53.5	55.6	57.5	59.1	60.6	62.0	63.2	64.4
100	35.9	38.7	41.5	44.3	47.6	50.5	53.0	55.1	56.9	58.6	60.1	61.4	62.7	63.8
110	35.4	38.2	41.0	43.8	47.1	50.0	52.5	54.6	56.4	58.1	59.6	60.9	62.2	63.3
120	34.9	37.7	40.5	43.3	46.6	49.5	52.0	54.1	56.0	57.6	59.1	60.5	61.7	62.9
130	34.2	37.1	40.0	42.9	46.2	49.1	51.6	53.7	55.5	57.2	58.7	60.1	61.3	62.5
140	33.8	36.7	39.6	42.5	45.8	48.7	51.2	53.3	55.1	56.8	58.3	59.7	60.9	62.1
150	33.7	36.5	39.3	42.1	45.4	48.3	50.8	52.9	54.8	56.4	57.9	59.3	60.6	61.7
160	33.1	36.0	38.9	41.8	45.1	48.0	50.4	52.6	54.4	56.1	57.6	59.0	60.2	61.4
170	32.8	35.7	38.6	41.5	44.8	47.7	50.1	52.3	54.1	55.8	57.3	58.7	59.9	61.1
180	32.5	35.4	38.3	41.2	44.5	47.4	49.8	52.0	53.8	55.5	57.0	58.4	59.6	60.8
190	32.2	35.1	38.0	40.9	44.2	47.1	49.6	51.7	53.6	55.2	56.7	58.1	59.3	60.5
200	31.9	34.8	37.7	40.6	43.9	46.8	49.3	51.4	53.3	55.0	56.5	57.8	59.1	60.2
210	31.7	34.6	37.5	40.4	43.7	46.6	49.0	51.2	53.0	54.7	56.2	57.6	58.8	60.0
220	31.7	34.5	37.3	40.1	43.4	46.3	48.8	50.9	52.8	54.5	56.0	57.3	58.6	59.8
230	31.2	34.1	37.0	39.9	43.2	46.1	48.6	50.7	52.6	54.2	55.7	57.1	58.4	59.5
240	31.0	33.9	36.8	39.7	43.0	45.9	48.4	50.5	52.4	54.0	55.5	56.9	58.2	59.3
250	30.8	33.7	36.6	39.5	42.8	45.7	48.2	50.3	52.2	53.8	55.3	56.7	58.0	59.1
260	30.6	33.5	36.4	39.3	42.6	45.5	48.0	50.1	52.0	53.6	55.1	56.5	57.8	58.9
270	30.4	33.3	36.2	39.1	42.4	45.3	47.8	49.9	51.8	53.5	55.0	56.3	57.6	58.8
280	30.2	33.1	36.0	38.9	42.2	45.1	47.6	49.7	51.6	53.3	54.8	56.1	57.4	58.6
290	30.1	33.1	35.9	38.7	42.0	44.9	47.4	49.6	51.4	53.1	54.6	56.0	57.2	58.4
300	29.9	32.8	35.7	38.6	41.9	44.8	47.3	49.4	51.3	52.9	54.4	55.8	57.1	58.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 95. 5 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	43.2	46.0	48.8	51.6	54.8	57.6	60.0	62.1	63.9	65.5	67.0	68.3	69.5	70.6
30	40.6	43.5	46.4	49.3	52.5	55.4	57.8	59.9	61.7	63.3	64.7	66.1	67.3	68.4
40	39.4	42.2	45.0	47.8	51.1	53.9	56.4	58.5	60.3	61.9	63.4	64.7	66.0	67.1
50	38.2	41.1	44.0	46.9	50.1	53.0	55.5	57.6	59.4	61.0	62.5	63.9	65.1	66.2
60	37.5	40.3	43.1	45.9	49.2	52.1	54.5	56.6	58.5	60.1	61.6	63.0	64.2	65.3
70	36.8	39.6	42.4	45.2	48.5	51.4	53.8	55.9	57.8	59.4	60.9	62.3	63.5	64.6
80	36.1	38.9	41.7	44.5	47.8	50.7	53.2	55.3	57.1	58.8	60.3	61.6	62.9	64.0
90	35.5	38.3	41.1	43.9	47.2	50.1	52.6	54.7	56.6	58.2	59.7	61.0	62.3	63.4
100	35.0	37.8	40.6	43.4	46.7	49.6	52.0	54.2	56.0	57.7	59.2	60.5	61.8	62.9
110	34.5	37.3	40.1	42.9	46.2	49.1	51.6	53.7	55.5	57.2	58.7	60.0	61.3	62.4
120	34.0	36.8	39.6	42.4	45.7	48.6	51.1	53.2	55.1	56.7	58.2	59.6	60.8	62.0
130	33.6	36.4	39.2	42.0	45.3	48.2	50.7	52.8	54.7	56.3	57.8	59.2	60.4	61.6
140	33.2	36.0	38.8	41.6	44.9	47.8	50.3	52.4	54.3	55.9	57.4	58.8	60.1	61.2
150	32.6	35.5	38.4	41.3	44.6	47.5	49.9	52.1	53.9	55.6	57.1	58.4	59.7	60.9
160	32.5	35.3	38.1	40.9	44.2	47.1	49.6	51.7	53.6	55.3	56.8	58.1	59.4	60.5
170	32.2	35.0	37.8	40.6	43.9	46.8	49.3	51.4	53.3	54.9	56.4	57.8	59.1	60.2
180	31.9	34.7	37.5	40.3	43.6	46.5	49.0	51.1	53.0	54.7	56.2	57.5	58.8	59.9
190	31.6	34.4	37.2	40.0	43.4	46.2	48.7	50.8	52.7	54.4	55.9	57.2	58.5	59.7
200	31.1	34.0	36.9	39.8	43.1	46.0	48.5	50.6	52.5	54.1	55.6	57.0	58.2	59.4
210	31.1	33.9	36.7	39.5	42.8	45.7	48.2	50.3	52.2	53.9	55.4	56.7	58.0	59.2
220	30.6	33.5	36.4	39.3	42.6	45.5	48.0	50.1	52.0	53.6	55.1	56.5	57.8	58.9
230	30.4	33.3	36.2	39.1	42.4	45.3	47.7	49.9	51.7	53.4	54.9	56.3	57.5	58.7
240	30.4	33.2	36.0	38.8	42.2	45.1	47.5	49.7	51.5	53.2	54.7	56.1	57.3	58.5
250	30.2	33.0	35.8	38.6	41.9	44.8	47.3	49.5	51.3	53.0	54.5	55.9	57.1	58.3
260	30.0	32.8	35.6	38.4	41.7	44.6	47.1	49.3	51.1	52.8	54.3	55.7	56.9	58.1
270	29.8	32.6	35.4	38.2	41.6	44.5	46.9	49.1	50.9	52.6	54.1	55.5	56.7	57.9
280	29.4	32.3	35.2	38.1	41.4	44.3	46.8	48.9	50.8	52.4	53.9	55.3	56.6	57.7
290	29.2	32.1	35.0	37.9	41.2	44.1	46.6	48.7	50.6	52.3	53.8	55.1	56.4	57.6
300	29.1	32.1	34.9	37.7	41.0	43.9	46.4	48.5	50.4	52.1	53.6	55.0	56.2	57.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 96. 6 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	41.8	44.6	47.4	50.2	53.5	56.3	58.7	60.8	62.6	64.2	65.6	66.9	68.1	69.3
30	40.1	42.9	45.7	48.5	51.7	54.6	57.0	59.1	60.9	62.5	64.0	65.3	66.5	67.6
40	38.3	41.2	44.1	47.0	50.2	53.1	55.5	57.6	59.4	61.1	62.5	63.9	65.1	66.2
50	37.4	40.2	43.0	45.8	49.1	52.0	54.4	56.5	58.4	60.0	61.5	62.8	64.1	65.2
60	36.3	39.2	42.1	45.0	48.3	51.1	53.6	55.7	57.6	59.2	60.7	62.0	63.3	64.4
70	35.6	38.5	41.4	44.3	47.6	50.4	52.9	55.0	56.9	58.5	60.0	61.3	62.6	63.7
80	35.2	38.0	40.8	43.6	46.9	49.8	52.3	54.4	56.2	57.9	59.4	60.7	62.0	63.1
90	34.4	37.3	40.2	43.1	46.4	49.2	51.7	53.8	55.7	57.3	58.8	60.2	61.4	62.6
100	34.1	36.9	39.7	42.5	45.8	48.7	51.2	53.3	55.2	56.8	58.3	59.7	60.9	62.1
110	33.4	36.3	39.2	42.1	45.4	48.2	50.7	52.8	54.7	56.3	57.8	59.2	60.4	61.6
120	32.9	35.8	38.7	41.6	44.9	47.8	50.3	52.4	54.2	55.9	57.4	58.7	60.0	61.1
130	32.5	35.4	38.3	41.2	44.5	47.4	49.8	52.0	53.8	55.5	57.0	58.3	59.6	60.7
140	32.4	35.2	38.0	40.8	44.1	47.0	49.5	51.6	53.5	55.1	56.6	58.0	59.2	60.4
150	31.8	34.7	37.6	40.5	43.8	46.7	49.1	51.2	53.1	54.8	56.3	57.6	58.9	60.0
160	31.7	34.5	37.3	40.1	43.4	46.3	48.8	50.9	52.8	54.4	55.9	57.3	58.6	59.7
170	31.1	34.0	36.9	39.8	43.1	46.0	48.5	50.6	52.5	54.1	55.6	57.0	58.2	59.4
180	30.8	33.7	36.6	39.5	42.8	45.7	48.2	50.3	52.2	53.8	55.3	56.7	58.0	59.1
190	30.8	33.6	36.4	39.2	42.5	45.4	47.9	50.0	51.9	53.6	55.1	56.4	57.7	58.9
200	30.3	33.2	36.1	39.0	42.3	45.2	47.6	49.8	51.6	53.3	54.8	56.2	57.4	58.6
210	30.0	32.9	35.8	38.7	42.0	44.9	47.4	49.5	51.4	53.1	54.6	55.9	57.2	58.3
220	29.8	32.7	35.6	38.5	41.8	44.7	47.2	49.3	51.2	52.8	54.3	55.7	56.9	58.1
230	29.8	32.6	35.4	38.2	41.6	44.5	46.9	49.1	50.9	52.6	54.1	55.5	56.7	57.9
240	29.6	32.4	35.2	38.0	41.3	44.2	46.7	48.8	50.7	52.4	53.9	55.3	56.5	57.7
250	29.4	32.2	35.0	37.8	41.1	44.0	46.5	48.6	50.5	52.2	53.7	55.0	56.3	57.5
260	29.2	32.0	34.8	37.6	40.9	43.8	46.3	48.4	50.3	52.0	53.5	54.9	56.1	57.3
270	29.0	31.8	34.6	37.4	40.7	43.6	46.1	48.3	50.1	51.8	53.3	54.7	55.9	57.1
280	28.8	31.6	34.4	37.2	40.6	43.5	45.9	48.1	49.9	51.6	53.1	54.5	55.7	56.9
290	28.4	31.3	34.2	37.1	40.4	43.3	45.8	47.9	49.8	51.4	52.9	54.3	55.6	56.7
300	28.2	31.1	34.0	36.9	40.2	43.1	45.6	47.7	49.6	51.3	52.8	54.1	55.4	56.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 97. 7 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	40.7	43.5	46.3	49.1	52.4	55.2	57.6	59.7	61.5	63.1	64.5	65.8	67.0	68.2
30	39.3	42.1	44.9	47.7	51.0	53.8	56.2	58.3	60.1	61.8	63.2	64.5	65.7	66.9
40	37.9	40.7	43.5	46.3	49.6	52.4	54.8	56.9	58.8	60.4	61.8	63.2	64.4	65.5
50	36.6	39.4	42.2	45.0	48.3	51.2	53.6	55.7	57.6	59.2	60.7	62.0	63.3	64.4
60	35.5	38.4	41.3	44.2	47.4	50.3	52.8	54.9	56.7	58.4	59.9	61.2	62.4	63.6
70	34.8	37.7	40.6	43.5	46.7	49.6	52.1	54.2	56.0	57.7	59.2	60.5	61.8	62.9
80	34.4	37.2	40.0	42.8	46.1	49.0	51.5	53.6	55.4	57.1	58.6	59.9	61.2	62.3
90	33.6	36.5	39.4	42.3	45.6	48.5	50.9	53.0	54.9	56.5	58.0	59.4	60.6	61.8
100	33.1	36.0	38.9	41.8	45.1	48.0	50.4	52.5	54.4	56.0	57.5	58.9	60.1	61.3
110	32.9	35.7	38.5	41.3	44.6	47.5	49.9	52.1	53.9	55.6	57.1	58.4	59.7	60.8
120	32.2	35.1	38.0	40.9	44.2	47.1	49.5	51.6	53.5	55.1	56.6	58.0	59.3	60.4
130	31.8	34.7	37.6	40.5	43.8	46.6	49.1	51.2	53.1	54.7	56.2	57.6	58.9	60.0
140	31.4	34.3	37.2	40.1	43.4	46.3	48.7	50.9	52.7	54.4	55.9	57.2	58.5	59.6
150	31.3	34.1	36.9	39.7	43.0	45.9	48.4	50.5	52.4	54.0	55.5	56.9	58.1	59.3
160	30.7	33.6	36.5	39.4	42.7	45.6	48.0	50.2	52.0	53.7	55.2	56.6	57.8	59.0
170	30.4	33.3	36.2	39.1	42.4	45.3	47.7	49.9	51.7	53.4	54.9	56.2	57.5	58.7
180	30.1	33.0	35.9	38.8	42.1	45.0	47.4	49.6	51.4	53.1	54.6	56.0	57.2	58.4
190	29.8	32.7	35.6	38.5	41.8	44.7	47.2	49.3	51.2	52.8	54.3	55.7	56.9	58.1
200	29.8	32.6	35.4	38.2	41.5	44.4	46.9	49.0	50.9	52.6	54.1	55.4	56.7	57.8
210	29.3	32.2	35.1	38.0	41.3	44.2	46.7	48.8	50.7	52.3	53.8	55.2	56.4	57.6
220	29.3	32.1	34.9	37.7	41.0	43.9	46.4	48.5	50.4	52.1	53.6	54.9	56.2	57.4
230	28.8	31.7	34.6	37.5	40.8	43.7	46.2	48.3	50.2	51.9	53.4	54.7	56.0	57.1
240	28.6	31.5	34.4	37.3	40.6	43.5	46.0	48.1	50.0	51.6	53.1	54.5	55.8	56.9
250	28.4	31.3	34.2	37.1	40.4	43.3	45.8	47.9	49.8	51.4	52.9	54.3	55.6	56.7
260	28.2	31.1	34.0	36.9	40.2	43.1	45.6	47.7	49.6	51.2	52.7	54.1	55.4	56.5
270	28.0	30.9	33.8	36.7	40.0	42.9	45.4	47.5	49.4	51.0	52.5	53.9	55.2	56.3
280	27.8	30.7	33.6	36.5	39.8	42.7	45.2	47.3	49.2	50.9	52.4	53.7	55.0	56.2
290	27.7	30.7	33.5	36.3	39.6	42.5	45.0	47.1	49.0	50.7	52.2	53.6	54.8	56.0
300	27.5	30.4	33.3	36.2	39.5	42.4	44.8	47.0	48.8	50.5	52.0	53.4	54.6	55.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 98. 8 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	40.0	42.8	45.6	48.4	51.7	54.5	56.9	59.0	60.8	62.4	63.9	65.2	66.4	67.5
30	38.5	41.3	44.1	46.9	50.1	53.0	55.4	57.5	59.3	60.9	62.4	63.7	64.9	66.0
40	37.3	40.1	42.9	45.7	48.9	51.8	54.2	56.3	58.1	59.7	61.2	62.5	63.7	64.9
50	36.0	38.8	41.6	44.4	47.7	50.5	53.0	55.1	56.9	58.5	60.0	61.3	62.6	63.7
60	35.0	37.8	40.6	43.4	46.7	49.6	52.0	54.1	56.0	57.6	59.1	60.5	61.7	62.8
70	34.3	37.1	39.9	42.7	46.0	48.9	51.3	53.4	55.3	56.9	58.4	59.8	61.0	62.2
80	33.4	36.3	39.2	42.1	45.4	48.3	50.7	52.8	54.7	56.3	57.8	59.2	60.4	61.6
90	33.1	35.9	38.7	41.5	44.8	47.7	50.2	52.3	54.1	55.8	57.3	58.6	59.9	61.0
100	32.6	35.4	38.2	41.0	44.3	47.2	49.7	51.8	53.6	55.3	56.8	58.1	59.4	60.5
110	31.9	34.8	37.7	40.6	43.9	46.8	49.2	51.3	53.2	54.8	56.3	57.7	58.9	60.1
120	31.7	34.5	37.3	40.1	43.4	46.3	48.8	50.9	52.8	54.4	55.9	57.3	58.5	59.7
130	31.3	34.1	36.9	39.7	43.0	45.9	48.4	50.5	52.4	54.0	55.5	56.9	58.1	59.3
140	30.7	33.6	36.5	39.4	42.7	45.5	48.0	50.1	52.0	53.6	55.1	56.5	57.8	58.9
150	30.3	33.2	36.1	39.0	42.3	45.2	47.7	49.8	51.6	53.3	54.8	56.2	57.4	58.6
160	30.0	32.9	35.8	38.7	42.0	44.9	47.3	49.5	51.3	53.0	54.5	55.8	57.1	58.2
170	29.7	32.6	35.5	38.4	41.7	44.6	47.0	49.1	51.0	52.7	54.2	55.5	56.8	57.9
180	29.4	32.3	35.2	38.1	41.4	44.3	46.7	48.9	50.7	52.4	53.9	55.2	56.5	57.7
190	29.1	32.0	34.9	37.8	41.1	44.0	46.5	48.6	50.5	52.1	53.6	55.0	56.2	57.4
200	29.1	31.9	34.7	37.5	40.9	43.7	46.2	48.3	50.2	51.9	53.4	54.7	56.0	57.2
210	28.6	31.5	34.4	37.3	40.6	43.5	46.0	48.1	50.0	51.6	53.1	54.5	55.7	56.9
220	28.6	31.4	34.2	37.0	40.4	43.3	45.7	47.9	49.7	51.4	52.9	54.3	55.5	56.7
230	28.4	31.2	34.0	36.8	40.1	43.0	45.5	47.6	49.5	51.2	52.7	54.0	55.3	56.5
240	27.9	30.8	33.7	36.6	39.9	42.8	45.3	47.4	49.3	50.9	52.4	53.8	55.1	56.2
250	27.7	30.6	33.5	36.4	39.7	42.6	45.1	47.2	49.1	50.7	52.2	53.6	54.9	56.0
260	27.5	30.4	33.3	36.2	39.5	42.4	44.9	47.0	48.9	50.5	52.0	53.4	54.7	55.8
270	27.3	30.2	33.1	36.0	39.3	42.2	44.7	46.8	48.7	50.4	51.9	53.2	54.5	55.7
280	27.1	30.0	32.9	35.8	39.1	42.0	44.5	46.6	48.5	50.2	51.7	53.0	54.3	55.5
290	27.0	30.0	32.8	35.6	38.9	41.8	44.3	46.5	48.3	50.0	51.5	52.9	54.1	55.3
300	26.8	29.7	32.6	35.5	38.8	41.7	44.2	46.3	48.2	49.8	51.3	52.7	54.0	55.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 99. 9 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	39.2	42.0	44.8	47.6	50.8	53.7	56.1	58.2	60.0	61.6	63.0	64.3	65.6	66.7
30	37.8	40.6	43.4	46.2	49.5	52.3	54.7	56.8	58.6	60.3	61.7	63.0	64.3	65.4
40	36.6	39.4	42.2	45.0	48.3	51.1	53.5	55.6	57.4	59.1	60.5	61.9	63.1	64.2
50	35.4	38.2	41.0	43.8	47.1	50.0	52.4	54.5	56.3	58.0	59.4	60.8	62.0	63.1
60	34.2	37.1	40.0	42.9	46.1	49.0	51.5	53.6	55.4	57.0	58.5	59.9	61.1	62.2
70	33.4	36.3	39.2	42.1	45.4	48.3	50.7	52.8	54.7	56.3	57.8	59.1	60.4	61.5
80	33.0	35.8	38.6	41.4	44.7	47.6	50.1	52.2	54.0	55.7	57.2	58.5	59.8	60.9
90	32.2	35.1	38.0	40.9	44.2	47.1	49.5	51.6	53.5	55.1	56.6	58.0	59.2	60.4
100	31.7	34.6	37.5	40.4	43.7	46.6	49.0	51.1	53.0	54.7	56.1	57.5	58.7	59.9
110	31.5	34.3	37.1	39.9	43.2	46.1	48.6	50.7	52.5	54.2	55.7	57.1	58.3	59.5
120	30.8	33.7	36.6	39.5	42.8	45.7	48.2	50.3	52.1	53.8	55.3	56.6	57.9	59.0
130	30.4	33.3	36.2	39.1	42.4	45.3	47.8	49.9	51.7	53.4	54.9	56.2	57.5	58.7
140	30.3	33.1	35.9	38.7	42.0	44.9	47.4	49.5	51.4	53.0	54.5	55.9	57.1	58.3
150	29.7	32.6	35.5	38.4	41.7	44.6	47.0	49.2	51.0	52.7	54.2	55.5	56.8	57.9
160	29.6	32.4	35.2	38.0	41.3	44.2	46.7	48.8	50.7	52.3	53.8	55.2	56.5	57.6
170	29.3	32.1	34.9	37.7	41.0	43.9	46.4	48.5	50.4	52.0	53.5	54.9	56.2	57.3
180	29.0	31.8	34.6	37.4	40.8	43.6	46.1	48.2	50.1	51.8	53.3	54.6	55.9	57.0
190	28.5	31.4	34.3	37.2	40.5	43.4	45.8	48.0	49.8	51.5	53.0	54.4	55.6	56.8
200	28.2	31.1	34.0	36.9	40.2	43.1	45.6	47.7	49.6	51.2	52.7	54.1	55.3	56.5
210	28.0	30.9	33.8	36.7	40.0	42.9	45.3	47.5	49.3	51.0	52.5	53.8	55.1	56.3
220	27.7	30.6	33.5	36.4	39.7	42.6	45.1	47.2	49.1	50.7	52.2	53.6	54.9	56.0
230	27.5	30.4	33.3	36.2	39.5	42.4	44.9	47.0	48.9	50.5	52.0	53.4	54.6	55.8
240	27.3	30.2	33.1	36.0	39.3	42.2	44.6	46.8	48.6	50.3	51.8	53.2	54.4	55.6
250	27.1	30.0	32.9	35.8	39.1	42.0	44.4	46.6	48.4	50.1	51.6	53.0	54.2	55.4
260	26.9	29.8	32.7	35.6	38.9	41.8	44.2	46.4	48.2	49.9	51.4	52.8	54.0	55.2
270	26.7	29.6	32.5	35.4	38.7	41.6	44.0	46.2	48.0	49.7	51.2	52.6	53.8	55.0
280	26.5	29.4	32.3	35.2	38.5	41.4	43.9	46.0	47.9	49.5	51.0	52.4	53.7	54.8
290	26.3	29.2	32.1	35.0	38.3	41.2	43.7	45.8	47.7	49.3	50.8	52.2	53.5	54.6
300	26.3	29.2	32.0	34.8	38.1	41.0	43.5	45.6	47.5	49.2	50.7	52.0	53.3	54.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 100. 10 m barrier at 10 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	38.2	41.0	43.8	46.6	49.8	52.6	55.1	57.1	58.9	60.5	62.0	63.3	64.5	65.6
30	37.2	40.0	42.8	45.6	48.9	51.7	54.1	56.2	58.0	59.6	61.1	62.4	63.6	64.8
40	35.7	38.6	41.5	44.4	47.6	50.5	52.9	55.0	56.8	58.4	59.9	61.2	62.5	63.6
50	34.6	37.5	40.4	43.3	46.5	49.4	51.8	53.9	55.8	57.4	58.8	60.2	61.4	62.5
60	33.9	36.7	39.5	42.3	45.6	48.5	50.9	53.0	54.9	56.5	58.0	59.3	60.5	61.7
70	32.9	35.8	38.7	41.6	44.8	47.7	50.2	52.3	54.1	55.8	57.2	58.6	59.8	61.0
80	32.5	35.3	38.1	40.9	44.2	47.1	49.5	51.6	53.5	55.1	56.6	58.0	59.2	60.4
90	31.9	34.7	37.5	40.3	43.6	46.5	49.0	51.1	52.9	54.6	56.1	57.4	58.7	59.8
100	31.4	34.2	37.0	39.8	43.1	46.0	48.5	50.6	52.4	54.1	55.6	56.9	58.2	59.3
110	30.7	33.6	36.5	39.4	42.7	45.6	48.0	50.1	52.0	53.6	55.1	56.5	57.7	58.9
120	30.3	33.2	36.1	39.0	42.3	45.1	47.6	49.7	51.6	53.2	54.7	56.1	57.3	58.5
130	29.9	32.8	35.7	38.6	41.9	44.7	47.2	49.3	51.2	52.8	54.3	55.7	56.9	58.1
140	29.5	32.4	35.3	38.2	41.5	44.4	46.8	48.9	50.8	52.5	54.0	55.3	56.6	57.7
150	29.4	32.2	35.0	37.8	41.1	44.0	46.5	48.6	50.5	52.1	53.6	55.0	56.2	57.4
160	28.8	31.7	34.6	37.5	40.8	43.7	46.2	48.3	50.1	51.8	53.3	54.7	55.9	57.1
170	28.5	31.4	34.3	37.2	40.5	43.4	45.9	48.0	49.8	51.5	53.0	54.4	55.6	56.8
180	28.2	31.1	34.0	36.9	40.2	43.1	45.6	47.7	49.5	51.2	52.7	54.1	55.3	56.5
190	27.9	30.8	33.7	36.6	39.9	42.8	45.3	47.4	49.2	50.9	52.4	53.8	55.0	56.2
200	27.9	30.7	33.5	36.3	39.6	42.5	45.0	47.1	49.0	50.7	52.1	53.5	54.8	55.9
210	27.4	30.3	33.2	36.1	39.4	42.3	44.7	46.9	48.7	50.4	51.9	53.3	54.5	55.7
220	27.4	30.2	33.0	35.8	39.1	42.0	44.5	46.6	48.5	50.2	51.7	53.0	54.3	55.4
230	26.9	29.8	32.7	35.6	38.9	41.8	44.3	46.4	48.3	49.9	51.4	52.8	54.1	55.2
240	26.7	29.6	32.5	35.4	38.7	41.6	44.1	46.2	48.1	49.7	51.2	52.6	53.8	55.0
250	26.5	29.4	32.3	35.2	38.5	41.4	43.9	46.0	47.9	49.5	51.0	52.4	53.6	54.8
260	26.3	29.2	32.1	35.0	38.3	41.2	43.7	45.8	47.7	49.3	50.8	52.2	53.4	54.6
270	26.1	29.0	31.9	34.8	38.1	41.0	43.5	45.6	47.5	49.1	50.6	52.0	53.2	54.4
280	25.9	28.8	31.7	34.6	37.9	40.8	43.3	45.4	47.3	48.9	50.4	51.8	53.0	54.2
290	25.7	28.6	31.5	34.4	37.7	40.6	43.1	45.2	47.1	48.7	50.2	51.6	52.9	54.0
300	25.5	28.4	31.3	34.2	37.5	40.4	42.9	45.0	46.9	48.6	50.1	51.4	52.7	53.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph



3.3 Geometries with a Barrier at 30 m

Table 101. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	42.0	43.6	45.2	46.8	49.5	52.0	54.1	56.0	57.6	59.1	60.5	61.7	62.8	63.9
50	41.6	43.2	44.8	46.4	49.1	51.5	53.6	55.4	57.0	58.4	59.7	60.9	62.0	63.1
60	41.5	43.1	44.7	46.3	48.8	51.2	53.3	55.1	56.6	58.0	59.2	60.4	61.4	62.4
70	41.2	42.8	44.4	46.0	48.6	51.0	53.0	54.8	56.3	57.7	58.9	60.0	61.0	62.0
80	40.9	42.5	44.1	45.7	48.3	50.7	52.8	54.5	56.1	57.4	58.7	59.8	60.8	61.7
90	40.6	42.2	43.8	45.4	48.0	50.4	52.5	54.3	55.8	57.2	58.4	59.5	60.5	61.5
100	40.2	41.8	43.4	45.0	47.7	50.1	52.2	54.0	55.5	56.9	58.1	59.3	60.3	61.3
110	39.9	41.5	43.1	44.7	47.3	49.8	51.9	53.6	55.2	56.6	57.8	59.0	60.0	61.0
120	39.3	41.0	42.7	44.4	47.0	49.4	51.5	53.3	54.9	56.3	57.5	58.7	59.7	60.7
130	39.0	40.7	42.4	44.1	46.7	49.1	51.2	53.0	54.6	56.0	57.2	58.4	59.4	60.4
140	38.9	40.5	42.1	43.7	46.4	48.8	50.9	52.7	54.3	55.7	56.9	58.1	59.1	60.1
150	38.6	40.2	41.8	43.4	46.1	48.5	50.6	52.4	54.0	55.4	56.6	57.7	58.8	59.8
160	38.3	39.9	41.5	43.1	45.8	48.2	50.3	52.1	53.7	55.1	56.3	57.5	58.5	59.5
170	38.0	39.6	41.2	42.8	45.5	47.9	50.0	51.8	53.4	54.8	56.0	57.2	58.2	59.2
180	37.5	39.2	40.9	42.6	45.2	47.6	49.7	51.5	53.1	54.5	55.7	56.9	57.9	58.9
190	37.5	39.1	40.7	42.3	44.9	47.4	49.5	51.3	52.8	54.2	55.5	56.6	57.7	58.6
200	37.0	38.7	40.4	42.1	44.7	47.1	49.2	51.0	52.6	53.9	55.2	56.3	57.4	58.4
210	37.0	38.6	40.2	41.8	44.4	46.9	49.0	50.7	52.3	53.7	54.9	56.1	57.1	58.1
220	36.5	38.2	39.9	41.6	44.2	46.6	48.7	50.5	52.1	53.4	54.7	55.8	56.9	57.8
230	36.5	38.1	39.7	41.3	44.0	46.4	48.5	50.3	51.8	53.2	54.4	55.6	56.6	57.6
240	36.3	37.9	39.5	41.1	43.7	46.2	48.2	50.0	51.6	53.0	54.2	55.3	56.4	57.3
250	36.1	37.7	39.3	40.9	43.5	45.9	48.0	49.8	51.3	52.7	54.0	55.1	56.1	57.1
260	35.6	37.3	39.0	40.7	43.3	45.7	47.8	49.6	51.1	52.5	53.7	54.9	55.9	56.9
270	35.4	37.1	38.8	40.5	43.1	45.5	47.6	49.4	50.9	52.3	53.5	54.6	55.7	56.6
280	35.2	36.9	38.6	40.3	42.9	45.3	47.4	49.1	50.7	52.1	53.3	54.4	55.5	56.4
290	35.2	36.9	38.5	40.1	42.7	45.1	47.2	48.9	50.5	51.9	53.1	54.2	55.2	56.2
300	35.1	36.7	38.3	39.9	42.5	44.9	47.0	48.7	50.3	51.7	52.9	54.0	55.0	56.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 102. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	39.5	41.1	42.7	44.3	46.8	49.2	51.2	53.0	54.6	56.0	57.2	58.4	59.5	60.5
50	39.4	41.1	42.6	44.1	46.6	49.0	51.0	52.8	54.3	55.7	57.0	58.1	59.2	60.2
60	39.2	40.8	42.4	44.0	46.5	48.9	50.9	52.6	54.1	55.5	56.7	57.9	58.9	59.9
70	39.1	40.6	42.1	43.6	46.2	48.5	50.5	52.2	53.7	55.0	56.2	57.3	58.3	59.2
80	38.8	40.3	41.8	43.3	45.8	48.2	50.2	51.9	53.3	54.6	55.8	56.9	57.8	58.8
90	38.5	40.0	41.5	43.0	45.5	47.9	49.9	51.6	53.0	54.3	55.5	56.6	57.5	58.4
100	38.2	39.7	41.2	42.7	45.3	47.6	49.6	51.3	52.8	54.1	55.3	56.3	57.3	58.2
110	37.9	39.4	40.9	42.4	45.0	47.3	49.3	51.0	52.5	53.8	55.0	56.1	57.1	58.0
120	37.6	39.1	40.6	42.1	44.7	47.0	49.0	50.8	52.3	53.6	54.8	55.9	56.9	57.8
130	37.3	38.8	40.3	41.8	44.4	46.7	48.8	50.5	52.0	53.3	54.5	55.6	56.6	57.5
140	37.0	38.5	40.0	41.5	44.1	46.5	48.5	50.2	51.7	53.1	54.3	55.4	56.4	57.3
150	36.5	38.1	39.7	41.3	43.8	46.2	48.2	49.9	51.5	52.8	54.0	55.1	56.1	57.0
160	36.2	37.8	39.4	41.0	43.5	45.9	47.9	49.7	51.2	52.5	53.7	54.8	55.8	56.8
170	35.9	37.5	39.1	40.7	43.3	45.6	47.7	49.4	50.9	52.3	53.5	54.6	55.6	56.5
180	35.7	37.3	38.9	40.5	43.0	45.4	47.4	49.2	50.7	52.0	53.2	54.3	55.3	56.3
190	35.4	37.0	38.6	40.2	42.8	45.1	47.2	48.9	50.4	51.8	53.0	54.1	55.1	56.0
200	35.2	36.8	38.4	40.0	42.5	44.9	46.9	48.7	50.2	51.5	52.7	53.8	54.8	55.8
210	35.2	36.7	38.2	39.7	42.3	44.6	46.7	48.4	49.9	51.3	52.5	53.6	54.6	55.5
220	34.7	36.3	37.9	39.5	42.0	44.4	46.4	48.2	49.7	51.0	52.2	53.3	54.3	55.3
230	34.5	36.1	37.7	39.3	41.8	44.2	46.2	47.9	49.5	50.8	52.0	53.1	54.1	55.1
240	34.5	36.0	37.5	39.0	41.6	44.0	46.0	47.7	49.2	50.6	51.8	52.9	53.9	54.8
250	34.3	35.8	37.3	38.8	41.4	43.7	45.8	47.5	49.0	50.3	51.5	52.6	53.7	54.6
260	34.1	35.6	37.1	38.6	41.2	43.5	45.6	47.3	48.8	50.1	51.3	52.4	53.4	54.4
270	33.9	35.4	36.9	38.4	41.0	43.3	45.3	47.1	48.6	49.9	51.1	52.2	53.2	54.2
280	33.7	35.2	36.7	38.2	40.8	43.1	45.1	46.9	48.4	49.7	50.9	52.0	53.0	53.9
290	33.5	35.0	36.5	38.0	40.6	42.9	44.9	46.7	48.2	49.5	50.7	51.8	52.8	53.7
300	33.1	34.7	36.3	37.9	40.4	42.7	44.8	46.5	48.0	49.3	50.5	51.6	52.6	53.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 103. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	37.9	39.4	40.9	42.4	44.9	47.2	49.2	50.9	52.4	53.7	54.9	56.1	57.2	58.2
50	37.9	39.4	40.9	42.4	44.9	47.2	49.1	50.8	52.3	53.7	54.9	56.0	57.1	58.1
60	37.8	39.3	40.8	42.3	44.8	47.1	49.1	50.8	52.3	53.6	54.9	56.0	57.0	58.0
70	37.4	38.9	40.4	41.9	44.4	46.7	48.6	50.3	51.8	53.1	54.3	55.4	56.4	57.3
80	37.1	38.6	40.1	41.6	44.0	46.3	48.2	49.9	51.3	52.6	53.7	54.8	55.8	56.7
90	37.0	38.4	39.8	41.2	43.7	46.0	47.9	49.5	51.0	52.2	53.3	54.4	55.3	56.2
100	36.7	38.1	39.5	40.9	43.4	45.7	47.6	49.3	50.7	51.9	53.1	54.1	55.0	55.9
110	36.4	37.8	39.2	40.6	43.1	45.4	47.3	49.0	50.4	51.7	52.8	53.8	54.8	55.6
120	35.9	37.4	38.9	40.4	42.8	45.1	47.1	48.7	50.2	51.4	52.6	53.6	54.6	55.4
130	35.6	37.1	38.6	40.1	42.6	44.9	46.8	48.5	49.9	51.2	52.3	53.4	54.3	55.2
140	35.3	36.8	38.3	39.8	42.3	44.6	46.6	48.2	49.7	51.0	52.1	53.2	54.1	55.0
150	35.0	36.5	38.0	39.5	42.0	44.3	46.3	48.0	49.4	50.7	51.9	52.9	53.9	54.8
160	34.8	36.3	37.8	39.3	41.8	44.1	46.1	47.7	49.2	50.5	51.6	52.7	53.7	54.6
170	34.5	36.0	37.5	39.0	41.5	43.8	45.8	47.5	49.0	50.2	51.4	52.5	53.4	54.4
180	34.3	35.8	37.3	38.8	41.3	43.6	45.6	47.3	48.7	50.0	51.2	52.2	53.2	54.1
190	34.0	35.5	37.0	38.5	41.0	43.4	45.3	47.0	48.5	49.8	50.9	52.0	53.0	53.9
200	33.8	35.3	36.8	38.3	40.8	43.1	45.1	46.8	48.3	49.6	50.7	51.8	52.8	53.7
210	33.6	35.1	36.6	38.1	40.6	42.9	44.9	46.6	48.0	49.3	50.5	51.6	52.5	53.5
220	33.4	34.9	36.4	37.9	40.4	42.7	44.6	46.3	47.8	49.1	50.3	51.3	52.3	53.2
230	33.1	34.6	36.1	37.6	40.1	42.4	44.4	46.1	47.6	48.9	50.0	51.1	52.1	53.0
240	32.9	34.4	35.9	37.4	39.9	42.2	44.2	45.9	47.4	48.7	49.8	50.9	51.9	52.8
250	32.7	34.2	35.7	37.2	39.7	42.0	44.0	45.7	47.1	48.4	49.6	50.7	51.7	52.6
260	32.5	34.0	35.5	37.0	39.5	41.8	43.8	45.5	46.9	48.2	49.4	50.5	51.4	52.4
270	32.3	33.8	35.3	36.8	39.3	41.6	43.6	45.3	46.7	48.0	49.2	50.3	51.2	52.1
280	32.1	33.6	35.1	36.6	39.1	41.4	43.4	45.1	46.5	47.8	49.0	50.0	51.0	51.9
290	32.0	33.6	35.0	36.4	38.9	41.2	43.2	44.9	46.3	47.6	48.8	49.8	50.8	51.7
300	31.8	33.3	34.8	36.3	38.7	41.0	43.0	44.7	46.1	47.4	48.6	49.6	50.6	51.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 104. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	36.8	38.2	39.6	41.0	43.4	45.7	47.7	49.3	50.8	52.1	53.3	54.4	55.5	56.5
50	36.9	38.3	39.7	41.1	43.6	45.8	47.8	49.4	50.9	52.2	53.4	54.4	55.5	56.4
60	36.5	38.0	39.5	41.0	43.4	45.7	47.7	49.4	50.8	52.1	53.3	54.4	55.5	56.4
70	36.1	37.6	39.1	40.6	43.0	45.3	47.2	48.8	50.3	51.6	52.7	53.8	54.8	55.8
80	36.0	37.4	38.8	40.2	42.6	44.8	46.7	48.4	49.8	51.0	52.2	53.2	54.2	55.1
90	35.6	37.0	38.4	39.8	42.3	44.5	46.4	48.0	49.4	50.6	51.7	52.7	53.7	54.6
100	35.3	36.7	38.1	39.5	42.0	44.2	46.1	47.7	49.1	50.3	51.4	52.4	53.3	54.2
110	34.8	36.3	37.8	39.3	41.7	43.9	45.8	47.4	48.8	50.0	51.1	52.1	53.0	53.9
120	34.8	36.2	37.6	39.0	41.4	43.6	45.6	47.2	48.6	49.8	50.9	51.9	52.8	53.6
130	34.5	35.9	37.3	38.7	41.2	43.4	45.3	46.9	48.3	49.5	50.6	51.6	52.5	53.4
140	34.0	35.5	37.0	38.5	40.9	43.1	45.1	46.7	48.1	49.3	50.4	51.4	52.3	53.2
150	34.0	35.4	36.8	38.2	40.6	42.9	44.8	46.4	47.9	49.1	50.2	51.2	52.1	53.0
160	33.5	35.0	36.5	38.0	40.4	42.7	44.6	46.2	47.6	48.9	50.0	51.0	51.9	52.8
170	33.5	34.9	36.3	37.7	40.2	42.4	44.3	46.0	47.4	48.6	49.8	50.8	51.7	52.6
180	33.0	34.5	36.0	37.5	39.9	42.2	44.1	45.8	47.2	48.4	49.6	50.6	51.5	52.4
190	32.8	34.3	35.8	37.3	39.7	42.0	43.9	45.5	47.0	48.2	49.3	50.4	51.3	52.2
200	32.8	34.2	35.6	37.0	39.5	41.8	43.7	45.3	46.7	48.0	49.1	50.1	51.1	52.0
210	32.6	34.0	35.4	36.8	39.3	41.5	43.5	45.1	46.5	47.8	48.9	49.9	50.9	51.8
220	32.1	33.6	35.1	36.6	39.1	41.3	43.3	44.9	46.3	47.6	48.7	49.7	50.7	51.6
230	31.9	33.4	34.9	36.4	38.8	41.1	43.0	44.7	46.1	47.4	48.5	49.5	50.5	51.4
240	31.7	33.2	34.7	36.2	38.6	40.9	42.8	44.5	45.9	47.2	48.3	49.3	50.3	51.1
250	31.5	33.0	34.5	36.0	38.4	40.7	42.6	44.3	45.7	47.0	48.1	49.1	50.1	50.9
260	31.3	32.8	34.3	35.8	38.2	40.5	42.4	44.1	45.5	46.8	47.9	48.9	49.9	50.7
270	31.1	32.6	34.1	35.6	38.0	40.3	42.2	43.9	45.3	46.6	47.7	48.7	49.7	50.5
280	31.1	32.6	34.0	35.4	37.9	40.1	42.0	43.7	45.1	46.4	47.5	48.5	49.5	50.3
290	31.0	32.4	33.8	35.2	37.7	39.9	41.9	43.5	44.9	46.2	47.3	48.3	49.3	50.1
300	30.6	32.1	33.6	35.1	37.5	39.8	41.7	43.3	44.7	46.0	47.1	48.1	49.1	50.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 105. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	35.7	37.1	38.5	39.9	42.3	44.6	46.5	48.2	49.6	50.9	52.1	53.2	54.2	55.2
50	35.8	37.2	38.7	40.1	42.6	44.8	46.7	48.4	49.8	51.1	52.2	53.3	54.3	55.2
60	35.7	37.1	38.5	39.9	42.3	44.6	46.5	48.2	49.6	50.9	52.1	53.2	54.2	55.2
70	35.3	36.7	38.1	39.5	41.9	44.1	46.0	47.6	49.0	50.3	51.4	52.5	53.5	54.4
80	34.9	36.3	37.7	39.1	41.4	43.7	45.5	47.1	48.5	49.8	50.9	51.9	52.9	53.8
90	34.5	35.9	37.3	38.7	41.1	43.3	45.2	46.8	48.1	49.4	50.5	51.5	52.4	53.3
100	34.2	35.6	37.0	38.4	40.8	43.0	44.9	46.4	47.8	49.0	50.1	51.1	52.0	52.9
110	34.2	35.5	36.8	38.1	40.5	42.7	44.6	46.2	47.5	48.7	49.8	50.8	51.7	52.5
120	33.7	35.1	36.5	37.9	40.3	42.5	44.3	45.9	47.3	48.5	49.5	50.5	51.4	52.2
130	33.4	34.8	36.2	37.6	40.0	42.2	44.1	45.7	47.0	48.2	49.3	50.3	51.1	52.0
140	33.2	34.6	36.0	37.4	39.8	42.0	43.9	45.4	46.8	48.0	49.1	50.0	50.9	51.7
150	32.9	34.3	35.7	37.1	39.5	41.8	43.6	45.2	46.6	47.8	48.9	49.8	50.7	51.5
160	32.7	34.1	35.5	36.9	39.3	41.5	43.4	45.0	46.4	47.6	48.7	49.6	50.5	51.3
170	32.5	33.9	35.3	36.7	39.1	41.3	43.2	44.8	46.2	47.4	48.4	49.4	50.3	51.1
180	32.0	33.5	35.0	36.5	38.9	41.1	43.0	44.6	46.0	47.2	48.2	49.2	50.1	51.0
190	32.0	33.4	34.8	36.2	38.6	40.9	42.8	44.4	45.8	47.0	48.0	49.0	49.9	50.8
200	31.8	33.2	34.6	36.0	38.4	40.7	42.6	44.2	45.6	46.8	47.9	48.8	49.7	50.6
210	31.6	33.0	34.4	35.8	38.2	40.5	42.4	44.0	45.4	46.6	47.7	48.6	49.6	50.4
220	31.4	32.8	34.2	35.6	38.0	40.3	42.2	43.8	45.2	46.4	47.5	48.5	49.4	50.2
230	31.2	32.6	34.0	35.4	37.8	40.1	42.0	43.6	45.0	46.2	47.3	48.3	49.2	50.0
240	31.0	32.4	33.8	35.2	37.6	39.9	41.8	43.4	44.8	46.0	47.1	48.1	49.0	49.8
250	30.8	32.2	33.6	35.0	37.4	39.7	41.6	43.2	44.6	45.8	46.9	47.9	48.8	49.6
260	30.6	32.0	33.4	34.8	37.2	39.5	41.4	43.0	44.4	45.6	46.7	47.7	48.6	49.4
270	30.4	31.8	33.2	34.6	37.1	39.3	41.2	42.8	44.2	45.4	46.5	47.5	48.4	49.3
280	30.0	31.5	33.0	34.5	36.9	39.1	41.0	42.6	44.0	45.2	46.3	47.3	48.2	49.1
290	30.0	31.5	32.9	34.3	36.7	38.9	40.8	42.4	43.8	45.0	46.1	47.1	48.0	48.9
300	29.9	31.3	32.7	34.1	36.5	38.8	40.6	42.3	43.6	44.9	45.9	46.9	47.9	48.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 106. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	34.5	36.0	37.5	39.0	41.4	43.6	45.6	47.2	48.7	50.0	51.1	52.2	53.2	54.2
50	35.0	36.4	37.8	39.2	41.6	43.8	45.7	47.3	48.7	50.0	51.1	52.1	53.1	54.0
60	35.0	36.4	37.8	39.2	41.7	43.9	45.8	47.5	48.9	50.2	51.3	52.4	53.4	54.3
70	34.4	35.8	37.2	38.6	41.0	43.2	45.1	46.7	48.1	49.3	50.4	51.4	52.4	53.3
80	33.9	35.3	36.7	38.1	40.5	42.7	44.5	46.1	47.5	48.7	49.8	50.8	51.8	52.7
90	33.6	35.0	36.4	37.8	40.1	42.3	44.2	45.7	47.1	48.3	49.4	50.4	51.3	52.2
100	33.3	34.7	36.1	37.5	39.8	42.0	43.8	45.4	46.8	47.9	49.0	50.0	50.9	51.8
110	33.0	34.4	35.8	37.2	39.5	41.7	43.6	45.1	46.5	47.6	48.7	49.7	50.6	51.4
120	33.0	34.3	35.6	36.9	39.3	41.5	43.3	44.9	46.2	47.4	48.4	49.4	50.2	51.1
130	32.5	33.9	35.3	36.7	39.1	41.2	43.1	44.6	46.0	47.1	48.2	49.1	50.0	50.8
140	32.3	33.7	35.1	36.5	38.8	41.0	42.9	44.4	45.7	46.9	47.9	48.9	49.7	50.5
150	32.0	33.4	34.8	36.2	38.6	40.8	42.6	44.2	45.5	46.7	47.7	48.7	49.5	50.3
160	31.8	33.2	34.6	36.0	38.4	40.6	42.4	44.0	45.3	46.5	47.5	48.5	49.3	50.1
170	31.6	33.0	34.4	35.8	38.2	40.4	42.2	43.8	45.1	46.3	47.3	48.3	49.1	49.9
180	31.4	32.8	34.2	35.6	38.0	40.2	42.0	43.6	44.9	46.1	47.1	48.1	49.0	49.8
190	31.2	32.6	34.0	35.4	37.8	40.0	41.8	43.4	44.7	45.9	47.0	47.9	48.8	49.6
200	31.0	32.4	33.8	35.2	37.5	39.8	41.6	43.2	44.5	45.7	46.8	47.7	48.6	49.4
210	30.8	32.2	33.6	35.0	37.4	39.6	41.4	43.0	44.4	45.5	46.6	47.5	48.4	49.2
220	30.6	32.0	33.4	34.8	37.2	39.4	41.2	42.8	44.2	45.3	46.4	47.4	48.2	49.1
230	30.4	31.8	33.2	34.6	37.0	39.2	41.0	42.6	44.0	45.2	46.2	47.2	48.1	48.9
240	30.2	31.6	33.0	34.4	36.8	39.0	40.9	42.4	43.8	45.0	46.0	47.0	47.9	48.7
250	30.0	31.4	32.8	34.2	36.6	38.8	40.7	42.2	43.6	44.8	45.9	46.8	47.7	48.5
260	29.8	31.2	32.6	34.0	36.4	38.6	40.5	42.1	43.4	44.6	45.7	46.6	47.5	48.3
270	29.6	31.0	32.4	33.8	36.2	38.4	40.3	41.9	43.2	44.4	45.5	46.5	47.3	48.2
280	29.5	30.9	32.3	33.7	36.1	38.3	40.1	41.7	43.1	44.3	45.3	46.3	47.2	48.0
290	29.3	30.7	32.1	33.5	35.9	38.1	40.0	41.5	42.9	44.1	45.2	46.1	47.0	47.8
300	29.1	30.5	31.9	33.3	35.7	37.9	39.8	41.4	42.7	43.9	45.0	45.9	46.8	47.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 107. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	33.9	35.3	36.7	38.1	40.5	42.7	44.6	46.3	47.7	49.0	50.2	51.2	52.2	53.2
50	34.2	35.6	37.0	38.4	40.8	43.0	44.8	46.4	47.8	49.1	50.2	51.2	52.2	53.1
60	34.3	35.7	37.1	38.5	40.9	43.2	45.1	46.7	48.1	49.4	50.5	51.5	52.5	53.4
70	33.9	35.2	36.5	37.8	40.2	42.4	44.3	45.9	47.3	48.5	49.6	50.6	51.6	52.4
80	33.1	34.5	35.9	37.3	39.6	41.8	43.7	45.2	46.6	47.8	48.9	49.9	50.8	51.7
90	33.0	34.3	35.6	36.9	39.3	41.4	43.3	44.8	46.2	47.4	48.4	49.4	50.4	51.2
100	32.7	34.0	35.3	36.6	38.9	41.1	42.9	44.5	45.8	47.0	48.1	49.0	50.0	50.8
110	32.4	33.7	35.0	36.3	38.7	40.8	42.7	44.2	45.5	46.7	47.7	48.7	49.6	50.4
120	31.9	33.3	34.7	36.1	38.4	40.6	42.4	43.9	45.2	46.4	47.4	48.4	49.3	50.1
130	31.7	33.1	34.5	35.9	38.2	40.3	42.2	43.7	45.0	46.2	47.2	48.1	49.0	49.8
140	31.7	33.0	34.3	35.6	38.0	40.1	41.9	43.5	44.8	45.9	46.9	47.9	48.7	49.5
150	31.2	32.6	34.0	35.4	37.7	39.9	41.7	43.3	44.6	45.7	46.7	47.6	48.5	49.3
160	31.0	32.4	33.8	35.2	37.5	39.7	41.5	43.0	44.4	45.5	46.5	47.4	48.3	49.0
170	30.8	32.2	33.6	35.0	37.3	39.5	41.3	42.9	44.2	45.3	46.3	47.2	48.1	48.9
180	30.6	32.0	33.4	34.8	37.1	39.3	41.1	42.7	44.0	45.1	46.1	47.1	47.9	48.7
190	30.4	31.8	33.2	34.6	36.9	39.1	40.9	42.5	43.8	44.9	46.0	46.9	47.7	48.5
200	30.2	31.6	33.0	34.4	36.7	38.9	40.7	42.3	43.6	44.8	45.8	46.7	47.6	48.3
210	30.0	31.4	32.8	34.2	36.5	38.7	40.6	42.1	43.4	44.6	45.6	46.5	47.4	48.2
220	29.8	31.2	32.6	34.0	36.4	38.5	40.4	41.9	43.3	44.4	45.4	46.4	47.2	48.0
230	29.6	31.0	32.4	33.8	36.2	38.4	40.2	41.7	43.1	44.2	45.3	46.2	47.0	47.8
240	29.4	30.8	32.2	33.6	36.0	38.2	40.0	41.6	42.9	44.1	45.1	46.0	46.9	47.7
250	29.3	30.8	32.1	33.4	35.8	38.0	39.8	41.4	42.7	43.9	44.9	45.9	46.7	47.5
260	29.1	30.5	31.9	33.3	35.6	37.8	39.7	41.2	42.5	43.7	44.7	45.7	46.5	47.3
270	28.9	30.3	31.7	33.1	35.5	37.6	39.5	41.0	42.4	43.5	44.6	45.5	46.4	47.2
280	28.7	30.1	31.5	32.9	35.3	37.5	39.3	40.9	42.2	43.4	44.4	45.3	46.2	47.0
290	28.6	30.0	31.4	32.8	35.1	37.3	39.1	40.7	42.0	43.2	44.2	45.2	46.0	46.8
300	28.4	29.8	31.2	32.6	35.0	37.1	39.0	40.5	41.9	43.0	44.1	45.0	45.9	46.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 108. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	33.0	34.4	35.8	37.2	39.6	41.9	43.8	45.4	46.8	48.0	49.1	50.2	51.2	52.1
50	33.7	35.0	36.3	37.6	40.0	42.2	44.0	45.6	47.0	48.2	49.3	50.3	51.3	52.2
60	33.6	35.0	36.4	37.8	40.2	42.5	44.4	46.0	47.4	48.6	49.8	50.8	51.7	52.6
70	33.0	34.4	35.8	37.2	39.5	41.7	43.6	45.1	46.5	47.7	48.8	49.8	50.7	51.6
80	32.4	33.8	35.2	36.6	38.9	41.1	42.9	44.5	45.8	47.0	48.1	49.1	50.0	50.9
90	32.0	33.4	34.8	36.2	38.5	40.6	42.5	44.0	45.3	46.5	47.6	48.6	49.5	50.4
100	31.7	33.1	34.5	35.9	38.2	40.3	42.1	43.7	45.0	46.1	47.2	48.2	49.1	49.9
110	31.4	32.8	34.2	35.6	37.9	40.0	41.8	43.4	44.7	45.8	46.9	47.8	48.7	49.5
120	31.4	32.7	34.0	35.3	37.6	39.8	41.6	43.1	44.4	45.5	46.6	47.5	48.4	49.2
130	31.2	32.5	33.8	35.1	37.4	39.5	41.3	42.8	44.1	45.3	46.3	47.2	48.1	48.9
140	30.7	32.1	33.5	34.9	37.2	39.3	41.1	42.6	43.9	45.0	46.0	47.0	47.8	48.6
150	30.7	32.0	33.3	34.6	37.0	39.1	40.9	42.4	43.7	44.8	45.8	46.7	47.5	48.3
160	30.5	31.8	33.1	34.4	36.7	38.9	40.7	42.2	43.5	44.6	45.6	46.5	47.3	48.1
170	30.3	31.6	32.9	34.2	36.5	38.7	40.5	42.0	43.3	44.4	45.4	46.3	47.1	47.9
180	30.1	31.4	32.7	34.0	36.3	38.5	40.3	41.8	43.1	44.2	45.2	46.1	46.9	47.7
190	29.9	31.2	32.5	33.8	36.2	38.3	40.1	41.6	42.9	44.0	45.0	45.9	46.7	47.5
200	29.7	31.0	32.3	33.6	36.0	38.1	39.9	41.4	42.7	43.9	44.9	45.8	46.6	47.3
210	29.5	30.8	32.1	33.4	35.8	37.9	39.7	41.3	42.6	43.7	44.7	45.6	46.4	47.2
220	29.3	30.6	31.9	33.2	35.6	37.7	39.6	41.1	42.4	43.5	44.5	45.4	46.2	47.0
230	28.9	30.3	31.7	33.1	35.4	37.6	39.4	40.9	42.2	43.3	44.3	45.2	46.1	46.8
240	28.7	30.1	31.5	32.9	35.2	37.4	39.2	40.7	42.0	43.2	44.2	45.1	45.9	46.7
250	28.7	30.1	31.4	32.7	35.1	37.2	39.0	40.6	41.9	43.0	44.0	44.9	45.7	46.5
260	28.6	29.9	31.2	32.5	34.9	37.0	38.9	40.4	41.7	42.8	43.8	44.7	45.6	46.3
270	28.2	29.6	31.0	32.4	34.7	36.9	38.7	40.2	41.5	42.7	43.7	44.6	45.4	46.2
280	28.0	29.4	30.8	32.2	34.5	36.7	38.5	40.1	41.4	42.5	43.5	44.4	45.3	46.0
290	27.9	29.4	30.7	32.0	34.4	36.5	38.4	39.9	41.2	42.3	43.4	44.3	45.1	45.9
300	27.7	29.1	30.5	31.9	34.2	36.4	38.2	39.7	41.0	42.2	43.2	44.1	44.9	45.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 109. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	55.3	57.3	59.3	61.3	64.2	67.0	69.4	71.4	73.3	75.0	76.5	77.9	79.1	80.3
20	52.9	54.8	56.7	58.6	61.5	64.2	66.6	68.6	70.4	72.0	73.5	74.9	76.1	77.3
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	32.4	33.8	35.2	36.6	39.0	41.2	43.1	44.7	46.1	47.4	48.5	49.6	50.6	51.5
50	33.0	34.3	35.6	36.9	39.3	41.4	43.3	44.9	46.2	47.4	48.5	49.5	50.5	51.4
60	32.9	34.3	35.7	37.1	39.5	41.7	43.6	45.2	46.5	47.8	48.9	49.9	50.8	51.7
70	32.6	33.9	35.2	36.5	38.9	41.0	42.9	44.4	45.8	47.0	48.0	49.0	49.9	50.8
80	32.0	33.3	34.6	35.9	38.2	40.4	42.2	43.7	45.1	46.2	47.3	48.3	49.2	50.1
90	31.6	32.9	34.2	35.5	37.8	39.9	41.7	43.3	44.6	45.7	46.8	47.8	48.7	49.5
100	31.0	32.4	33.8	35.2	37.5	39.6	41.4	42.9	44.2	45.4	46.4	47.4	48.3	49.1
110	31.0	32.3	33.6	34.9	37.2	39.3	41.1	42.6	43.9	45.1	46.1	47.0	47.9	48.7
120	30.7	32.0	33.3	34.6	36.9	39.0	40.8	42.3	43.6	44.7	45.8	46.7	47.6	48.4
130	30.5	31.8	33.1	34.4	36.7	38.8	40.6	42.1	43.3	44.5	45.5	46.4	47.2	48.0
140	30.2	31.5	32.8	34.1	36.4	38.6	40.3	41.8	43.1	44.2	45.2	46.1	46.9	47.7
150	30.0	31.3	32.6	33.9	36.2	38.3	40.1	41.6	42.9	44.0	44.9	45.8	46.6	47.4
160	29.8	31.1	32.4	33.7	36.0	38.1	39.9	41.4	42.6	43.7	44.7	45.6	46.4	47.2
170	29.6	30.9	32.2	33.5	35.8	37.9	39.7	41.2	42.4	43.5	44.5	45.4	46.2	46.9
180	29.4	30.7	32.0	33.3	35.6	37.7	39.5	41.0	42.3	43.3	44.3	45.2	46.0	46.7
190	29.2	30.5	31.8	33.1	35.4	37.5	39.3	40.8	42.1	43.2	44.1	45.0	45.8	46.5
200	29.0	30.3	31.6	32.9	35.2	37.3	39.1	40.6	41.9	43.0	44.0	44.8	45.6	46.4
210	28.8	30.1	31.4	32.7	35.0	37.2	38.9	40.4	41.7	42.8	43.8	44.7	45.4	46.2
220	28.6	29.9	31.2	32.5	34.9	37.0	38.8	40.3	41.5	42.6	43.6	44.5	45.3	46.0
230	28.2	29.6	31.0	32.4	34.7	36.8	38.6	40.1	41.4	42.5	43.5	44.3	45.1	45.9
240	28.0	29.4	30.8	32.2	34.5	36.6	38.4	39.9	41.2	42.3	43.3	44.2	45.0	45.7
250	28.0	29.4	30.7	32.0	34.3	36.5	38.3	39.8	41.0	42.1	43.1	44.0	44.8	45.5
260	27.9	29.2	30.5	31.8	34.2	36.3	38.1	39.6	40.9	42.0	43.0	43.8	44.6	45.4
270	27.5	28.9	30.3	31.7	34.0	36.1	37.9	39.4	40.7	41.8	42.8	43.7	44.5	45.2
280	27.5	28.9	30.2	31.5	33.8	36.0	37.8	39.3	40.6	41.7	42.6	43.5	44.3	45.1
290	27.4	28.7	30.0	31.3	33.7	35.8	37.6	39.1	40.4	41.5	42.5	43.4	44.2	44.9
300	27.0	28.4	29.8	31.2	33.5	35.6	37.4	39.0	40.2	41.3	42.3	43.2	44.0	44.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 110. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	38.9	40.3	41.7	43.1	45.6	47.9	49.9	51.6	53.2	54.6	55.9	57.1	58.2	59.3
50	38.2	39.6	41.0	42.4	44.9	47.2	49.2	51.0	52.6	54.0	55.4	56.6	57.8	58.9
60	37.5	39.0	40.5	42.0	44.4	46.7	48.8	50.5	52.1	53.5	54.9	56.1	57.3	58.4
70	36.5	38.0	39.5	41.0	43.4	45.8	47.8	49.5	51.1	52.6	53.9	55.2	56.4	57.5
80	36.0	37.4	38.8	40.2	42.6	44.9	46.9	48.7	50.2	51.7	53.0	54.2	55.4	56.5
90	35.3	36.7	38.1	39.5	41.9	44.2	46.1	47.8	49.4	50.7	52.0	53.3	54.4	55.5
100	34.9	36.2	37.5	38.8	41.2	43.4	45.4	47.0	48.5	49.9	51.1	52.3	53.5	54.5
110	34.1	35.5	36.9	38.3	40.6	42.8	44.6	46.3	47.7	49.0	50.3	51.4	52.5	53.6
120	33.8	35.1	36.4	37.7	40.0	42.2	44.0	45.6	47.0	48.3	49.5	50.6	51.7	52.7
130	33.6	34.8	36.0	37.2	39.5	41.6	43.4	45.0	46.3	47.6	48.7	49.8	50.9	51.9
140	32.9	34.2	35.5	36.8	39.0	41.1	42.9	44.4	45.7	46.9	48.0	49.1	50.1	51.1
150	32.5	33.8	35.1	36.4	38.6	40.6	42.4	43.9	45.2	46.3	47.4	48.4	49.4	50.3
160	32.4	33.6	34.8	36.0	38.2	40.2	41.9	43.4	44.6	45.8	46.8	47.8	48.7	49.7
170	32.0	33.2	34.4	35.6	37.8	39.8	41.5	42.9	44.2	45.3	46.3	47.2	48.1	49.0
180	31.7	32.9	34.1	35.3	37.5	39.5	41.1	42.5	43.7	44.8	45.8	46.7	47.6	48.4
190	31.4	32.6	33.8	35.0	37.1	39.1	40.8	42.1	43.3	44.3	45.3	46.2	47.0	47.9
200	31.4	32.5	33.6	34.7	36.8	38.8	40.4	41.8	42.9	43.9	44.9	45.7	46.5	47.3
210	31.1	32.2	33.3	34.4	36.6	38.5	40.1	41.5	42.6	43.6	44.5	45.3	46.1	46.8
220	30.6	31.8	33.0	34.2	36.3	38.2	39.8	41.1	42.3	43.2	44.1	44.9	45.6	46.4
230	30.4	31.6	32.8	34.0	36.1	38.0	39.6	40.9	41.9	42.9	43.7	44.5	45.2	46.0
240	30.4	31.5	32.6	33.7	35.8	37.7	39.3	40.6	41.7	42.6	43.4	44.1	44.9	45.6
250	30.2	31.3	32.4	33.5	35.6	37.5	39.1	40.3	41.4	42.3	43.1	43.8	44.5	45.2
260	30.0	31.1	32.2	33.3	35.4	37.3	38.9	40.1	41.2	42.0	42.8	43.5	44.2	44.8
270	29.8	30.9	32.0	33.1	35.2	37.1	38.6	39.9	40.9	41.8	42.5	43.2	43.9	44.5
280	29.6	30.7	31.8	32.9	35.0	36.9	38.4	39.6	40.7	41.5	42.3	42.9	43.6	44.1
290	29.5	30.6	31.7	32.8	34.8	36.7	38.2	39.4	40.4	41.3	42.0	42.7	43.3	43.8
300	29.3	30.4	31.5	32.6	34.6	36.5	38.0	39.2	40.2	41.1	41.8	42.4	43.0	43.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 111. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	37.1	38.5	39.9	41.3	43.7	45.9	47.8	49.4	50.8	52.1	53.3	54.4	55.5	56.5
50	36.9	38.2	39.5	40.8	43.2	45.4	47.4	49.0	50.5	51.8	53.0	54.2	55.3	56.3
60	36.7	38.0	39.3	40.6	43.0	45.2	47.1	48.8	50.2	51.6	52.8	53.9	55.0	56.1
70	35.7	37.0	38.3	39.6	42.0	44.2	46.2	47.8	49.3	50.7	51.9	53.1	54.2	55.3
80	35.1	36.4	37.7	39.0	41.4	43.6	45.5	47.2	48.7	50.0	51.3	52.5	53.6	54.7
90	34.5	35.8	37.1	38.4	40.8	43.0	44.9	46.6	48.0	49.4	50.6	51.8	52.9	54.0
100	34.0	35.3	36.6	37.9	40.2	42.4	44.3	46.0	47.4	48.7	50.0	51.1	52.2	53.3
110	33.5	34.8	36.1	37.4	39.7	41.9	43.7	45.3	46.8	48.1	49.3	50.4	51.5	52.6
120	33.0	34.3	35.6	36.9	39.2	41.3	43.2	44.8	46.2	47.4	48.6	49.7	50.8	51.9
130	32.8	34.0	35.2	36.4	38.7	40.8	42.6	44.2	45.6	46.8	48.0	49.1	50.1	51.1
140	32.4	33.6	34.8	36.0	38.3	40.4	42.1	43.7	45.0	46.2	47.4	48.4	49.5	50.5
150	32.0	33.2	34.4	35.6	37.8	39.9	41.7	43.2	44.5	45.7	46.8	47.8	48.8	49.8
160	31.6	32.8	34.0	35.2	37.5	39.5	41.2	42.7	44.0	45.1	46.2	47.2	48.2	49.2
170	31.3	32.5	33.7	34.9	37.1	39.1	40.8	42.3	43.5	44.7	45.7	46.7	47.6	48.5
180	31.0	32.2	33.4	34.6	36.8	38.8	40.5	41.9	43.1	44.2	45.2	46.2	47.1	48.0
190	30.7	31.9	33.1	34.3	36.4	38.4	40.1	41.5	42.7	43.8	44.7	45.7	46.6	47.4
200	30.7	31.8	32.9	34.0	36.2	38.2	39.8	41.2	42.3	43.4	44.3	45.2	46.1	46.9
210	30.2	31.4	32.6	33.8	35.9	37.9	39.5	40.8	42.0	43.0	43.9	44.8	45.6	46.4
220	29.9	31.1	32.3	33.5	35.6	37.5	39.1	40.5	41.6	42.6	43.5	44.3	45.1	45.9
230	29.9	31.0	32.1	33.2	35.3	37.3	38.9	40.2	41.3	42.3	43.1	43.9	44.7	45.5
240	29.7	30.8	31.9	33.0	35.1	37.0	38.6	39.9	41.0	42.0	42.8	43.6	44.3	45.1
250	29.5	30.6	31.7	32.8	34.9	36.8	38.4	39.6	40.7	41.7	42.5	43.2	44.0	44.7
260	29.3	30.4	31.5	32.6	34.7	36.6	38.2	39.4	40.5	41.4	42.2	42.9	43.6	44.3
270	29.1	30.2	31.3	32.4	34.5	36.4	37.9	39.2	40.2	41.1	41.9	42.6	43.3	43.9
280	28.9	30.0	31.1	32.2	34.3	36.2	37.7	39.0	40.0	40.9	41.6	42.3	43.0	43.6
290	28.7	29.8	30.9	32.0	34.1	36.0	37.5	38.7	39.8	40.6	41.4	42.0	42.7	43.3
300	28.5	29.6	30.7	31.8	33.9	35.8	37.3	38.5	39.5	40.4	41.1	41.8	42.4	43.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 112. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	36.1	37.4	38.7	40.0	42.3	44.5	46.4	47.9	49.3	50.6	51.7	52.8	53.8	54.8
50	35.9	37.2	38.5	39.8	42.2	44.3	46.2	47.8	49.3	50.6	51.7	52.8	53.9	54.9
60	35.1	36.5	37.9	39.3	41.7	43.9	45.8	47.4	48.9	50.2	51.4	52.6	53.7	54.7
70	34.5	35.9	37.3	38.7	41.0	43.2	45.1	46.7	48.2	49.5	50.7	51.9	52.9	54.0
80	34.2	35.5	36.8	38.1	40.5	42.7	44.6	46.2	47.6	49.0	50.2	51.3	52.4	53.5
90	33.7	35.0	36.3	37.6	39.9	42.1	44.0	45.7	47.1	48.4	49.7	50.8	51.9	53.0
100	33.2	34.5	35.8	37.1	39.4	41.6	43.5	45.1	46.6	47.9	49.1	50.3	51.4	52.5
110	32.5	33.9	35.3	36.7	39.0	41.1	43.0	44.6	46.1	47.4	48.6	49.7	50.8	51.9
120	32.3	33.6	34.9	36.2	38.5	40.7	42.5	44.1	45.5	46.8	48.0	49.2	50.2	51.3
130	31.9	33.2	34.5	35.8	38.1	40.2	42.0	43.6	45.0	46.3	47.5	48.6	49.7	50.7
140	31.7	32.9	34.1	35.3	37.6	39.7	41.5	43.1	44.5	45.7	46.9	48.0	49.0	50.1
150	31.4	32.6	33.8	35.0	37.3	39.3	41.1	42.7	44.0	45.2	46.3	47.4	48.5	49.5
160	31.0	32.2	33.4	34.6	36.9	38.9	40.7	42.2	43.5	44.7	45.8	46.9	47.9	48.9
170	30.6	31.8	33.0	34.2	36.4	38.5	40.2	41.7	43.0	44.2	45.3	46.3	47.3	48.2
180	30.3	31.5	32.7	33.9	36.1	38.1	39.9	41.3	42.6	43.7	44.8	45.8	46.7	47.7
190	30.0	31.2	32.4	33.6	35.8	37.8	39.5	40.9	42.2	43.3	44.3	45.3	46.2	47.2
200	29.7	30.9	32.1	33.3	35.5	37.5	39.2	40.6	41.8	42.9	43.9	44.8	45.8	46.6
210	29.5	30.7	31.9	33.1	35.2	37.2	38.9	40.3	41.4	42.5	43.5	44.4	45.3	46.2
220	29.2	30.4	31.6	32.8	35.0	36.9	38.6	39.9	41.1	42.1	43.1	44.0	44.8	45.7
230	29.0	30.2	31.4	32.6	34.7	36.7	38.3	39.6	40.8	41.8	42.7	43.6	44.4	45.2
240	29.0	30.1	31.2	32.3	34.5	36.4	38.0	39.4	40.5	41.5	42.4	43.2	44.0	44.8
250	28.8	29.9	31.0	32.1	34.2	36.2	37.8	39.1	40.2	41.2	42.0	42.9	43.6	44.4
260	28.6	29.7	30.8	31.9	34.0	35.9	37.5	38.8	39.9	40.9	41.7	42.5	43.3	44.0
270	28.4	29.5	30.6	31.7	33.8	35.7	37.3	38.6	39.7	40.6	41.4	42.2	42.9	43.6
280	28.2	29.3	30.4	31.5	33.6	35.5	37.1	38.4	39.4	40.3	41.2	41.9	42.6	43.3
290	28.0	29.1	30.2	31.3	33.4	35.3	36.9	38.1	39.2	40.1	40.9	41.6	42.3	43.0
300	27.6	28.8	30.0	31.2	33.2	35.1	36.7	37.9	39.0	39.9	40.6	41.3	42.0	42.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 113. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	35.1	36.4	37.7	39.0	41.3	43.5	45.4	47.0	48.4	49.6	50.7	51.8	52.8	53.8
50	34.8	36.2	37.6	39.0	41.3	43.5	45.4	47.0	48.4	49.7	50.8	51.9	52.9	53.9
60	34.6	36.0	37.4	38.8	41.1	43.3	45.2	46.8	48.2	49.5	50.7	51.8	52.8	53.8
70	34.0	35.3	36.6	37.9	40.3	42.4	44.3	45.9	47.3	48.6	49.8	50.9	52.0	53.0
80	33.4	34.7	36.0	37.3	39.7	41.9	43.7	45.3	46.8	48.1	49.3	50.4	51.5	52.5
90	32.9	34.2	35.5	36.8	39.2	41.4	43.2	44.9	46.3	47.6	48.8	49.9	51.0	52.1
100	32.5	33.8	35.1	36.4	38.7	40.9	42.8	44.4	45.8	47.1	48.3	49.5	50.6	51.6
110	32.0	33.3	34.6	35.9	38.3	40.4	42.3	43.9	45.3	46.6	47.8	49.0	50.1	51.1
120	31.6	32.9	34.2	35.5	37.8	40.0	41.8	43.4	44.8	46.1	47.3	48.4	49.5	50.6
130	31.2	32.5	33.8	35.1	37.4	39.5	41.3	42.9	44.3	45.6	46.8	47.9	49.0	50.0
140	30.8	32.1	33.4	34.7	37.0	39.1	40.9	42.5	43.8	45.1	46.3	47.4	48.4	49.5
150	30.4	31.7	33.0	34.3	36.6	38.7	40.5	42.0	43.4	44.6	45.7	46.8	47.9	48.9
160	30.3	31.5	32.7	33.9	36.2	38.3	40.1	41.6	42.9	44.1	45.2	46.3	47.3	48.3
170	30.0	31.2	32.4	33.6	35.8	37.9	39.7	41.2	42.5	43.7	44.8	45.8	46.8	47.8
180	29.7	30.9	32.1	33.3	35.5	37.6	39.3	40.8	42.1	43.2	44.3	45.3	46.3	47.3
190	29.4	30.6	31.8	33.0	35.2	37.2	38.9	40.4	41.7	42.8	43.9	44.9	45.8	46.8
200	29.1	30.3	31.5	32.7	34.9	36.9	38.6	40.0	41.3	42.4	43.4	44.4	45.3	46.3
210	29.1	30.2	31.3	32.4	34.6	36.6	38.3	39.7	40.9	42.0	43.0	44.0	44.9	45.8
220	28.6	29.8	31.0	32.2	34.4	36.3	38.0	39.4	40.6	41.7	42.6	43.6	44.5	45.3
230	28.6	29.7	30.8	31.9	34.1	36.1	37.7	39.1	40.3	41.3	42.3	43.2	44.0	44.9
240	28.4	29.5	30.6	31.7	33.9	35.8	37.4	38.8	40.0	41.0	41.9	42.8	43.6	44.5
250	27.9	29.1	30.3	31.5	33.6	35.6	37.2	38.5	39.7	40.7	41.6	42.4	43.3	44.0
260	27.7	28.9	30.1	31.3	33.4	35.3	36.9	38.3	39.4	40.4	41.3	42.1	42.9	43.7
270	27.5	28.7	29.9	31.1	33.2	35.1	36.7	38.0	39.1	40.1	41.0	41.8	42.5	43.3
280	27.3	28.5	29.7	30.9	33.0	34.9	36.5	37.8	38.9	39.8	40.7	41.5	42.2	43.0
290	27.4	28.5	29.6	30.7	32.8	34.7	36.3	37.6	38.6	39.6	40.4	41.2	41.9	42.6
300	27.2	28.3	29.4	30.5	32.6	34.5	36.1	37.4	38.4	39.3	40.1	40.9	41.6	42.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 114. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	33.9	35.3	36.7	38.1	40.4	42.6	44.4	46.0	47.4	48.6	49.8	50.8	51.8	52.7
50	34.3	35.6	36.9	38.2	40.6	42.8	44.6	46.2	47.6	48.8	50.0	51.0	52.0	53.0
60	34.0	35.4	36.8	38.2	40.5	42.7	44.5	46.1	47.5	48.8	49.9	51.0	52.0	53.0
70	33.3	34.6	35.9	37.2	39.5	41.7	43.6	45.2	46.6	47.9	49.0	50.1	51.2	52.2
80	32.7	34.0	35.3	36.6	39.0	41.1	43.0	44.6	46.0	47.3	48.5	49.6	50.6	51.6
90	32.0	33.4	34.8	36.2	38.5	40.7	42.5	44.1	45.5	46.8	48.0	49.1	50.2	51.2
100	31.8	33.1	34.4	35.7	38.0	40.2	42.0	43.7	45.1	46.4	47.5	48.7	49.7	50.7
110	31.3	32.6	33.9	35.2	37.6	39.7	41.6	43.2	44.6	45.9	47.0	48.2	49.2	50.3
120	30.9	32.2	33.5	34.8	37.1	39.3	41.1	42.7	44.1	45.4	46.6	47.7	48.7	49.8
130	30.5	31.8	33.1	34.4	36.7	38.8	40.7	42.2	43.6	44.9	46.1	47.2	48.2	49.3
140	30.1	31.4	32.7	34.0	36.3	38.4	40.2	41.8	43.2	44.4	45.6	46.7	47.7	48.7
150	29.8	31.1	32.4	33.7	35.9	38.0	39.8	41.4	42.7	44.0	45.1	46.2	47.2	48.2
160	29.7	30.9	32.1	33.3	35.6	37.7	39.4	41.0	42.3	43.5	44.6	45.7	46.7	47.7
170	29.1	30.4	31.7	33.0	35.2	37.3	39.1	40.6	41.9	43.1	44.2	45.2	46.2	47.2
180	29.1	30.3	31.5	32.7	34.9	37.0	38.7	40.2	41.5	42.7	43.7	44.8	45.7	46.7
190	28.8	30.0	31.2	32.4	34.6	36.6	38.4	39.8	41.1	42.2	43.3	44.3	45.3	46.2
200	28.5	29.7	30.9	32.1	34.3	36.3	38.0	39.5	40.7	41.9	42.9	43.9	44.8	45.7
210	28.2	29.4	30.6	31.8	34.0	36.0	37.7	39.2	40.4	41.5	42.5	43.5	44.4	45.3
220	28.0	29.2	30.4	31.6	33.8	35.8	37.4	38.8	40.1	41.1	42.1	43.1	44.0	44.8
230	28.0	29.1	30.2	31.3	33.5	35.5	37.1	38.5	39.7	40.8	41.8	42.7	43.5	44.4
240	27.5	28.7	29.9	31.1	33.3	35.2	36.9	38.2	39.4	40.5	41.4	42.3	43.2	44.0
250	27.3	28.5	29.7	30.9	33.0	35.0	36.6	38.0	39.1	40.2	41.1	41.9	42.8	43.6
260	27.1	28.3	29.5	30.7	32.8	34.7	36.4	37.7	38.9	39.9	40.8	41.6	42.4	43.2
270	26.9	28.1	29.3	30.5	32.6	34.5	36.1	37.5	38.6	39.6	40.5	41.3	42.1	42.9
280	26.7	27.9	29.1	30.3	32.4	34.3	35.9	37.2	38.3	39.3	40.2	41.0	41.7	42.5
290	26.5	27.7	28.9	30.1	32.2	34.1	35.7	37.0	38.1	39.0	39.9	40.7	41.4	42.2
300	26.5	27.7	28.8	29.9	32.0	33.9	35.5	36.8	37.9	38.8	39.6	40.4	41.1	41.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 115. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	33.4	34.7	36.0	37.3	39.7	41.9	43.8	45.4	46.8	48.0	49.2	50.2	51.2	52.1
50	33.6	34.9	36.2	37.5	39.8	42.0	43.8	45.4	46.8	48.0	49.1	50.2	51.1	52.1
60	33.6	34.9	36.2	37.5	39.9	42.1	43.9	45.5	46.9	48.1	49.2	50.3	51.3	52.2
70	32.7	34.0	35.3	36.6	38.9	41.1	43.0	44.6	46.0	47.2	48.4	49.4	50.5	51.4
80	32.1	33.4	34.7	36.0	38.3	40.5	42.3	43.9	45.3	46.6	47.8	48.8	49.9	50.8
90	31.6	32.9	34.2	35.5	37.8	40.0	41.8	43.4	44.8	46.1	47.2	48.3	49.3	50.3
100	31.1	32.4	33.7	35.0	37.3	39.5	41.3	42.9	44.3	45.6	46.7	47.8	48.9	49.9
110	30.7	32.0	33.3	34.6	36.9	39.0	40.9	42.4	43.8	45.1	46.3	47.4	48.4	49.4
120	30.3	31.6	32.9	34.2	36.5	38.6	40.4	42.0	43.4	44.6	45.8	46.9	47.9	48.9
130	29.9	31.2	32.5	33.8	36.1	38.2	40.0	41.6	42.9	44.2	45.3	46.4	47.4	48.4
140	29.5	30.8	32.1	33.4	35.7	37.8	39.6	41.1	42.5	43.7	44.9	45.9	47.0	48.0
150	29.2	30.5	31.8	33.1	35.3	37.4	39.2	40.7	42.1	43.3	44.4	45.5	46.5	47.5
160	29.1	30.3	31.5	32.7	35.0	37.0	38.8	40.3	41.7	42.8	44.0	45.0	46.0	47.0
170	28.8	30.0	31.2	32.4	34.6	36.7	38.5	40.0	41.3	42.4	43.5	44.6	45.5	46.5
180	28.5	29.7	30.9	32.1	34.3	36.4	38.1	39.6	40.9	42.0	43.1	44.1	45.1	46.0
190	28.2	29.4	30.6	31.8	34.0	36.0	37.8	39.2	40.5	41.6	42.7	43.7	44.6	45.6
200	27.9	29.1	30.3	31.5	33.7	35.7	37.4	38.9	40.1	41.3	42.3	43.3	44.2	45.1
210	27.7	28.9	30.1	31.3	33.4	35.5	37.1	38.6	39.8	40.9	41.9	42.9	43.8	44.7
220	27.4	28.6	29.8	31.0	33.2	35.2	36.9	38.3	39.5	40.6	41.6	42.5	43.4	44.3
230	27.4	28.5	29.6	30.7	32.9	34.9	36.6	38.0	39.2	40.2	41.2	42.1	43.0	43.9
240	26.9	28.1	29.3	30.5	32.7	34.7	36.3	37.7	38.9	39.9	40.9	41.8	42.6	43.5
250	26.7	27.9	29.1	30.3	32.4	34.4	36.0	37.4	38.6	39.6	40.5	41.4	42.3	43.1
260	26.5	27.7	28.9	30.1	32.2	34.2	35.8	37.2	38.3	39.3	40.2	41.1	41.9	42.7
270	26.3	27.5	28.7	29.9	32.0	34.0	35.6	36.9	38.0	39.0	39.9	40.8	41.6	42.4
280	26.1	27.3	28.5	29.7	31.8	33.7	35.3	36.7	37.8	38.8	39.6	40.5	41.2	42.0
290	25.9	27.1	28.3	29.5	31.6	33.5	35.1	36.4	37.5	38.5	39.4	40.2	40.9	41.7
300	25.9	27.1	28.2	29.3	31.4	33.3	34.9	36.2	37.3	38.3	39.1	39.9	40.6	41.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 116. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	32.3	33.7	35.1	36.5	38.8	41.0	42.9	44.5	45.9	47.1	48.2	49.3	50.2	51.1
50	32.6	34.0	35.4	36.8	39.1	41.2	43.1	44.6	46.0	47.2	48.3	49.3	50.3	51.2
60	32.6	34.0	35.4	36.8	39.1	41.3	43.2	44.8	46.2	47.4	48.5	49.6	50.6	51.5
70	32.1	33.4	34.7	36.0	38.4	40.5	42.4	44.0	45.4	46.6	47.7	48.8	49.8	50.7
80	31.5	32.8	34.1	35.4	37.7	39.9	41.7	43.3	44.7	45.9	47.0	48.1	49.1	50.1
90	30.7	32.1	33.5	34.9	37.2	39.3	41.1	42.7	44.1	45.3	46.5	47.5	48.5	49.5
100	30.5	31.8	33.1	34.4	36.7	38.8	40.6	42.2	43.6	44.8	45.9	47.0	48.0	49.0
110	30.3	31.5	32.7	33.9	36.2	38.4	40.2	41.7	43.1	44.3	45.5	46.5	47.5	48.5
120	29.9	31.1	32.3	33.5	35.8	37.9	39.7	41.3	42.6	43.9	45.0	46.1	47.1	48.0
130	29.3	30.6	31.9	33.2	35.4	37.5	39.3	40.9	42.2	43.4	44.6	45.6	46.6	47.6
140	28.9	30.2	31.5	32.8	35.1	37.2	39.0	40.5	41.8	43.0	44.1	45.2	46.2	47.2
150	28.6	29.9	31.2	32.5	34.7	36.8	38.6	40.1	41.4	42.6	43.7	44.8	45.8	46.7
160	28.5	29.7	30.9	32.1	34.4	36.5	38.2	39.7	41.0	42.2	43.3	44.3	45.3	46.3
170	28.2	29.4	30.6	31.8	34.1	36.1	37.9	39.4	40.7	41.8	42.9	43.9	44.9	45.8
180	27.9	29.1	30.3	31.5	33.7	35.8	37.5	39.0	40.3	41.4	42.5	43.5	44.5	45.4
190	27.6	28.8	30.0	31.2	33.4	35.5	37.2	38.7	39.9	41.1	42.1	43.1	44.0	45.0
200	27.3	28.5	29.7	30.9	33.1	35.2	36.9	38.3	39.6	40.7	41.7	42.7	43.6	44.5
210	27.1	28.3	29.5	30.7	32.9	34.9	36.6	38.0	39.3	40.4	41.4	42.3	43.2	44.1
220	26.8	28.0	29.2	30.4	32.6	34.6	36.3	37.7	38.9	40.0	41.0	41.9	42.8	43.7
230	26.6	27.8	29.0	30.2	32.4	34.4	36.0	37.4	38.6	39.7	40.7	41.6	42.5	43.3
240	26.4	27.6	28.8	30.0	32.1	34.1	35.8	37.1	38.3	39.4	40.3	41.2	42.1	42.9
250	26.4	27.5	28.6	29.7	31.9	33.9	35.5	36.9	38.0	39.1	40.0	40.9	41.8	42.6
260	26.2	27.3	28.4	29.5	31.7	33.6	35.3	36.6	37.8	38.8	39.7	40.6	41.4	42.2
270	26.0	27.1	28.2	29.3	31.5	33.4	35.0	36.4	37.5	38.5	39.4	40.3	41.1	41.9
280	25.8	26.9	28.0	29.1	31.3	33.2	34.8	36.1	37.3	38.3	39.2	40.0	40.8	41.5
290	25.6	26.7	27.8	28.9	31.1	33.0	34.6	35.9	37.0	38.0	38.9	39.7	40.5	41.2
300	25.2	26.4	27.6	28.8	30.9	32.8	34.4	35.7	36.8	37.8	38.6	39.4	40.2	40.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 117. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	31.5	32.9	34.3	35.7	38.0	40.2	42.1	43.6	45.0	46.2	47.3	48.4	49.3	50.2
50	32.2	33.5	34.8	36.1	38.4	40.5	42.3	43.9	45.2	46.4	47.5	48.5	49.5	50.4
60	32.0	33.4	34.8	36.2	38.5	40.7	42.6	44.1	45.5	46.7	47.9	48.9	49.8	50.8
70	31.5	32.8	34.1	35.4	37.8	39.9	41.8	43.4	44.7	46.0	47.1	48.1	49.1	50.0
80	30.9	32.2	33.5	34.8	37.1	39.2	41.1	42.6	44.0	45.2	46.3	47.4	48.4	49.3
90	30.3	31.6	32.9	34.2	36.5	38.7	40.5	42.0	43.4	44.6	45.7	46.8	47.8	48.7
100	29.9	31.2	32.5	33.8	36.0	38.2	40.0	41.5	42.9	44.1	45.2	46.2	47.2	48.2
110	29.4	30.7	32.0	33.3	35.6	37.7	39.5	41.0	42.4	43.6	44.7	45.7	46.7	47.7
120	29.3	30.5	31.7	32.9	35.2	37.3	39.1	40.6	41.9	43.1	44.2	45.3	46.3	47.2
130	28.7	30.0	31.3	32.6	34.8	36.9	38.7	40.2	41.5	42.7	43.8	44.8	45.8	46.8
140	28.6	29.8	31.0	32.2	34.5	36.5	38.3	39.8	41.1	42.3	43.4	44.4	45.4	46.3
150	28.0	29.3	30.6	31.9	34.1	36.2	37.9	39.4	40.8	41.9	43.0	44.0	45.0	45.9
160	27.9	29.1	30.3	31.5	33.8	35.9	37.6	39.1	40.4	41.5	42.6	43.6	44.6	45.5
170	27.6	28.8	30.0	31.2	33.5	35.5	37.3	38.7	40.0	41.2	42.2	43.2	44.2	45.1
180	27.3	28.5	29.7	30.9	33.2	35.2	36.9	38.4	39.7	40.8	41.9	42.8	43.8	44.7
190	27.1	28.3	29.5	30.7	32.9	34.9	36.6	38.1	39.3	40.5	41.5	42.5	43.4	44.3
200	26.8	28.0	29.2	30.4	32.6	34.6	36.3	37.8	39.0	40.1	41.1	42.1	43.0	43.9
210	26.5	27.7	28.9	30.1	32.3	34.3	36.0	37.5	38.7	39.8	40.8	41.7	42.6	43.5
220	26.3	27.5	28.7	29.9	32.1	34.1	35.8	37.2	38.4	39.5	40.5	41.4	42.3	43.1
230	26.3	27.4	28.5	29.6	31.8	33.8	35.5	36.9	38.1	39.2	40.1	41.0	41.9	42.8
240	25.8	27.0	28.2	29.4	31.6	33.6	35.2	36.6	37.8	38.8	39.8	40.7	41.6	42.4
250	25.6	26.8	28.0	29.2	31.4	33.3	35.0	36.3	37.5	38.6	39.5	40.4	41.2	42.0
260	25.4	26.6	27.8	29.0	31.1	33.1	34.7	36.1	37.3	38.3	39.2	40.1	40.9	41.7
270	25.2	26.4	27.6	28.8	30.9	32.9	34.5	35.9	37.0	38.0	38.9	39.8	40.6	41.4
280	25.0	26.2	27.4	28.6	30.7	32.7	34.3	35.6	36.8	37.7	38.6	39.5	40.3	41.0
290	24.8	26.0	27.2	28.4	30.5	32.5	34.1	35.4	36.5	37.5	38.4	39.2	40.0	40.7
300	24.8	26.0	27.1	28.2	30.3	32.3	33.9	35.2	36.3	37.3	38.1	38.9	39.7	40.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 118. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 automobiles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	52.8	54.7	56.6	58.5	61.4	64.2	66.6	68.7	70.5	72.2	73.7	75.1	76.4	77.6
20	47.8	49.6	51.4	53.2	56.0	58.6	60.9	62.9	64.7	66.3	67.8	69.1	70.4	71.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	30.8	32.2	33.6	35.0	37.4	39.6	41.5	43.1	44.5	45.7	46.9	47.9	48.9	49.8
50	31.3	32.7	34.1	35.5	37.8	39.9	41.7	43.3	44.6	45.8	46.9	47.9	48.8	49.7
60	32.1	33.4	34.7	36.0	38.3	40.5	42.3	43.8	45.1	46.3	47.4	48.3	49.3	50.1
70	30.7	32.1	33.5	34.9	37.2	39.4	41.2	42.8	44.1	45.3	46.4	47.5	48.4	49.3
80	30.3	31.6	32.9	34.2	36.5	38.7	40.5	42.0	43.4	44.6	45.7	46.7	47.7	48.6
90	29.8	31.1	32.4	33.7	35.9	38.1	39.9	41.4	42.7	43.9	45.0	46.1	47.0	48.0
100	29.3	30.6	31.9	33.2	35.4	37.6	39.3	40.9	42.2	43.4	44.5	45.5	46.5	47.4
110	29.1	30.3	31.5	32.7	35.0	37.1	38.9	40.4	41.7	42.9	44.0	45.0	46.0	46.9
120	28.5	29.8	31.1	32.4	34.6	36.7	38.5	40.0	41.3	42.5	43.5	44.6	45.5	46.4
130	28.1	29.4	30.7	32.0	34.2	36.3	38.1	39.6	40.9	42.1	43.1	44.1	45.1	46.0
140	28.0	29.2	30.4	31.6	33.9	36.0	37.7	39.2	40.5	41.7	42.7	43.7	44.7	45.6
150	27.7	28.9	30.1	31.3	33.5	35.6	37.4	38.8	40.1	41.3	42.3	43.3	44.3	45.2
160	27.4	28.6	29.8	31.0	33.2	35.3	37.0	38.5	39.8	40.9	42.0	42.9	43.9	44.8
170	27.1	28.3	29.5	30.7	32.9	35.0	36.7	38.1	39.4	40.6	41.6	42.6	43.5	44.4
180	26.8	28.0	29.2	30.4	32.6	34.7	36.4	37.8	39.1	40.2	41.2	42.2	43.1	44.0
190	26.5	27.7	28.9	30.1	32.3	34.4	36.1	37.5	38.8	39.9	40.9	41.8	42.8	43.6
200	26.3	27.5	28.7	29.9	32.1	34.1	35.8	37.2	38.4	39.5	40.5	41.5	42.4	43.3
210	26.0	27.2	28.4	29.6	31.8	33.8	35.5	36.9	38.1	39.2	40.2	41.2	42.0	42.9
220	25.8	27.0	28.2	29.4	31.5	33.5	35.2	36.6	37.8	38.9	39.9	40.8	41.7	42.5
230	25.5	26.7	27.9	29.1	31.3	33.3	35.0	36.4	37.6	38.6	39.6	40.5	41.4	42.2
240	25.3	26.5	27.7	28.9	31.1	33.0	34.7	36.1	37.3	38.3	39.3	40.2	41.0	41.8
250	25.1	26.3	27.5	28.7	30.8	32.8	34.5	35.8	37.0	38.0	39.0	39.8	40.7	41.5
260	24.9	26.1	27.3	28.5	30.6	32.6	34.2	35.6	36.7	37.8	38.7	39.5	40.4	41.2
270	24.7	25.9	27.1	28.3	30.4	32.4	34.0	35.3	36.5	37.5	38.4	39.2	40.0	40.8
280	24.5	25.7	26.9	28.1	30.2	32.2	33.8	35.1	36.3	37.2	38.1	39.0	39.7	40.5
290	24.3	25.5	26.7	27.9	30.0	32.0	33.6	34.9	36.0	37.0	37.9	38.7	39.5	40.2
300	24.3	25.5	26.6	27.7	29.8	31.8	33.4	34.7	35.8	36.8	37.6	38.4	39.2	39.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 119. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	58.3	59.1	59.9	60.7	61.5	62.3	63.4	64.5	65.6	66.7	67.7	68.7	69.6	70.4
50	58.5	59.2	59.9	60.6	61.3	62.0	63.1	64.2	65.3	66.3	67.3	68.2	69.1	69.9
60	58.0	58.8	59.6	60.4	61.2	62.0	63.1	64.2	65.3	66.3	67.3	68.3	69.1	70.0
70	57.8	58.6	59.4	60.2	61.0	61.8	62.9	64.0	65.1	66.2	67.2	68.1	69.0	69.8
80	57.5	58.3	59.1	59.9	60.7	61.5	62.6	63.8	64.9	66.0	67.0	67.9	68.8	69.6
90	57.2	58.0	58.8	59.6	60.4	61.2	62.3	63.5	64.6	65.7	66.7	67.6	68.5	69.4
100	56.4	57.3	58.2	59.1	60.0	60.9	62.0	63.1	64.3	65.3	66.4	67.3	68.2	69.1
110	56.3	57.3	58.1	58.9	59.7	60.5	61.6	62.8	63.9	65.0	66.0	67.0	67.9	68.7
120	56.2	57.0	57.8	58.6	59.4	60.2	61.3	62.5	63.6	64.7	65.7	66.7	67.6	68.4
130	55.4	56.3	57.2	58.1	59.0	59.9	61.0	62.1	63.3	64.4	65.4	66.3	67.2	68.1
140	55.3	56.3	57.1	57.9	58.7	59.5	60.6	61.8	63.0	64.0	65.1	66.0	66.9	67.8
150	55.2	56.0	56.8	57.6	58.4	59.2	60.3	61.5	62.6	63.7	64.7	65.7	66.6	67.5
160	54.9	55.7	56.5	57.3	58.1	58.9	60.0	61.2	62.3	63.4	64.4	65.4	66.3	67.2
170	54.2	55.1	56.0	56.9	57.8	58.7	59.8	60.9	62.1	63.1	64.2	65.1	66.0	66.9
180	53.9	54.8	55.7	56.6	57.5	58.4	59.5	60.6	61.8	62.9	63.9	64.8	65.7	66.6
190	53.7	54.6	55.7	56.5	57.3	58.1	59.2	60.4	61.5	62.6	63.6	64.6	65.5	66.3
200	53.4	54.3	55.2	56.1	57.0	57.9	59.0	60.1	61.2	62.3	63.3	64.3	65.2	66.0
210	53.2	54.0	55.2	56.0	56.8	57.6	58.7	59.9	61.0	62.1	63.1	64.0	64.9	65.8
220	52.9	53.8	54.7	55.6	56.5	57.4	58.5	59.6	60.8	61.8	62.8	63.8	64.7	65.5
230	52.9	53.7	54.7	55.5	56.3	57.1	58.2	59.4	60.5	61.6	62.6	63.6	64.5	65.3
240	52.9	53.7	54.5	55.3	56.1	56.9	58.0	59.2	60.3	61.4	62.4	63.3	64.2	65.1
250	52.7	53.5	54.3	55.1	55.9	56.7	57.8	58.9	60.1	61.1	62.1	63.1	64.0	64.8
260	52.0	52.9	53.8	54.7	55.6	56.5	57.6	58.7	59.8	60.9	61.9	62.9	63.8	64.6
270	51.8	52.7	53.6	54.5	55.4	56.3	57.4	58.5	59.6	60.7	61.7	62.7	63.6	64.4
280	51.7	52.5	53.4	54.3	55.2	56.1	57.2	58.3	59.4	60.5	61.5	62.5	63.3	64.2
290	51.7	52.5	53.4	54.3	55.1	55.9	57.0	58.1	59.2	60.3	61.3	62.3	63.1	64.0
300	51.7	52.5	53.3	54.1	54.9	55.7	56.8	57.9	59.0	60.1	61.1	62.1	62.9	63.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 120. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	56.1	56.8	57.5	58.2	58.9	59.6	60.6	61.6	62.7	63.7	64.6	65.6	66.4	67.2
50	56.0	56.7	57.4	58.1	58.8	59.5	60.4	61.5	62.5	63.5	64.5	65.4	66.3	67.1
60	56.0	56.7	57.4	58.1	58.8	59.5	60.5	61.5	62.6	63.6	64.5	65.4	66.3	67.1
70	55.8	56.5	57.2	57.9	58.6	59.3	60.3	61.3	62.4	63.4	64.3	65.2	66.1	66.9
80	55.5	56.2	56.9	57.6	58.3	59.0	60.0	61.1	62.1	63.1	64.1	65.0	65.8	66.6
90	55.2	55.9	56.6	57.3	58.0	58.7	59.7	60.8	61.9	62.9	63.8	64.7	65.6	66.4
100	54.9	55.6	56.3	57.0	57.7	58.4	59.4	60.5	61.6	62.6	63.6	64.5	65.3	66.2
110	54.1	54.9	55.7	56.5	57.3	58.1	59.1	60.2	61.3	62.3	63.3	64.2	65.1	65.9
120	53.8	54.6	55.4	56.2	57.0	57.8	58.8	59.9	61.0	62.0	63.0	63.9	64.8	65.6
130	53.5	54.3	55.1	55.9	56.7	57.5	58.5	59.6	60.7	61.7	62.7	63.6	64.5	65.3
140	53.2	54.0	54.8	55.6	56.4	57.2	58.2	59.3	60.4	61.5	62.4	63.4	64.2	65.1
150	52.9	53.7	54.5	55.3	56.1	56.9	57.9	59.0	60.1	61.2	62.1	63.1	63.9	64.8
160	52.9	53.6	54.5	55.2	55.9	56.6	57.7	58.8	59.8	60.9	61.9	62.8	63.7	64.5
170	52.8	53.5	54.2	54.9	55.6	56.3	57.4	58.5	59.6	60.6	61.6	62.5	63.4	64.2
180	52.1	52.9	53.7	54.5	55.3	56.1	57.1	58.2	59.3	60.3	61.3	62.3	63.1	64.0
190	52.0	52.7	53.7	54.4	55.1	55.8	56.9	58.0	59.1	60.1	61.1	62.0	62.9	63.7
200	51.6	52.4	53.2	54.0	54.8	55.6	56.6	57.7	58.8	59.8	60.8	61.7	62.6	63.4
210	51.6	52.4	53.2	53.9	54.6	55.3	56.4	57.5	58.6	59.6	60.6	61.5	62.4	63.2
220	51.6	52.3	53.0	53.7	54.4	55.1	56.1	57.2	58.3	59.4	60.3	61.3	62.1	62.9
230	50.9	51.7	52.5	53.3	54.1	54.9	55.9	57.0	58.1	59.1	60.1	61.0	61.9	62.7
240	50.7	51.5	52.3	53.1	53.9	54.7	55.7	56.8	57.9	58.9	59.9	60.8	61.7	62.5
250	50.7	51.5	52.3	53.0	53.7	54.4	55.5	56.6	57.6	58.7	59.6	60.6	61.4	62.3
260	50.7	51.4	52.1	52.8	53.5	54.2	55.3	56.3	57.4	58.5	59.4	60.3	61.2	62.0
270	50.5	51.2	51.9	52.6	53.3	54.0	55.0	56.1	57.2	58.2	59.2	60.1	61.0	61.8
280	50.3	51.0	51.7	52.4	53.1	53.8	54.8	55.9	57.0	58.0	59.0	59.9	60.8	61.6
290	50.1	50.8	51.5	52.2	52.9	53.6	54.7	55.7	56.8	57.8	58.8	59.7	60.6	61.4
300	49.9	50.6	51.3	52.0	52.7	53.4	54.5	55.5	56.6	57.6	58.6	59.5	60.4	61.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 121. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	54.5	55.1	55.7	56.3	56.9	57.5	58.4	59.4	60.4	61.4	62.3	63.2	64.0	64.8
50	54.6	55.2	55.8	56.4	57.0	57.6	58.5	59.5	60.5	61.5	62.4	63.3	64.1	64.9
60	54.2	54.9	55.6	56.3	57.0	57.7	58.6	59.6	60.6	61.6	62.5	63.4	64.2	65.0
70	53.9	54.6	55.3	56.0	56.7	57.4	58.3	59.3	60.3	61.3	62.2	63.0	63.9	64.6
80	53.9	54.6	55.2	55.8	56.4	57.0	58.0	59.0	60.0	60.9	61.9	62.7	63.5	64.3
90	53.7	54.3	54.9	55.5	56.1	56.7	57.7	58.7	59.7	60.7	61.6	62.5	63.3	64.0
100	53.4	54.0	54.6	55.2	55.8	56.4	57.4	58.4	59.4	60.4	61.3	62.2	63.0	63.8
110	52.7	53.4	54.1	54.8	55.5	56.2	57.1	58.1	59.2	60.2	61.1	62.0	62.8	63.6
120	52.4	53.1	53.8	54.5	55.2	55.9	56.8	57.9	58.9	59.9	60.8	61.7	62.6	63.3
130	52.1	52.8	53.5	54.2	54.9	55.6	56.6	57.6	58.6	59.6	60.6	61.5	62.3	63.1
140	51.8	52.5	53.2	53.9	54.6	55.3	56.3	57.3	58.4	59.4	60.3	61.2	62.0	62.8
150	51.6	52.3	53.2	53.8	54.4	55.0	56.0	57.1	58.1	59.1	60.0	60.9	61.8	62.6
160	51.3	52.0	52.7	53.4	54.1	54.8	55.8	56.8	57.8	58.8	59.8	60.7	61.5	62.3
170	51.0	51.7	52.4	53.1	53.8	54.5	55.5	56.5	57.6	58.6	59.5	60.4	61.3	62.1
180	50.8	51.5	52.2	52.9	53.6	54.3	55.2	56.3	57.3	58.3	59.3	60.2	61.0	61.8
190	50.5	51.2	51.9	52.6	53.3	54.0	55.0	56.0	57.1	58.1	59.0	59.9	60.8	61.6
200	50.3	51.0	51.7	52.4	53.1	53.8	54.8	55.8	56.8	57.8	58.8	59.7	60.5	61.3
210	50.1	50.8	51.7	52.3	52.9	53.5	54.5	55.6	56.6	57.6	58.6	59.5	60.3	61.1
220	49.8	50.5	51.2	51.9	52.6	53.3	54.3	55.3	56.4	57.4	58.3	59.2	60.1	60.9
230	49.6	50.3	51.0	51.7	52.4	53.1	54.1	55.1	56.2	57.2	58.1	59.0	59.8	60.6
240	49.4	50.1	50.8	51.5	52.2	52.9	53.9	54.9	55.9	56.9	57.9	58.8	59.6	60.4
250	49.2	49.9	50.6	51.3	52.0	52.7	53.6	54.7	55.7	56.7	57.7	58.5	59.4	60.2
260	49.0	49.7	50.4	51.1	51.8	52.5	53.4	54.5	55.5	56.5	57.4	58.3	59.2	60.0
270	48.8	49.5	50.2	50.9	51.6	52.3	53.2	54.3	55.3	56.3	57.2	58.1	59.0	59.8
280	48.6	49.3	50.0	50.7	51.4	52.1	53.0	54.1	55.1	56.1	57.0	57.9	58.8	59.6
290	48.4	49.1	49.8	50.5	51.2	51.9	52.8	53.9	54.9	55.9	56.8	57.7	58.6	59.4
300	48.2	48.9	49.6	50.3	51.0	51.7	52.6	53.7	54.7	55.7	56.6	57.5	58.4	59.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 122. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	53.1	53.7	54.3	54.9	55.5	56.1	57.0	57.9	58.9	59.8	60.7	61.6	62.4	63.2
50	53.3	53.9	54.5	55.1	55.7	56.3	57.2	58.2	59.1	60.1	61.0	61.8	62.7	63.4
60	53.2	53.8	54.4	55.0	55.6	56.2	57.1	58.1	59.1	60.1	61.0	61.8	62.7	63.4
70	52.9	53.5	54.1	54.7	55.3	55.9	56.7	57.7	58.7	59.6	60.5	61.3	62.2	62.9
80	52.5	53.1	53.7	54.3	54.9	55.5	56.4	57.4	58.3	59.2	60.1	61.0	61.7	62.5
90	52.2	52.8	53.4	54.0	54.6	55.2	56.1	57.1	58.0	58.9	59.8	60.7	61.5	62.2
100	51.9	52.5	53.1	53.7	54.3	54.9	55.8	56.8	57.8	58.7	59.6	60.4	61.2	62.0
110	51.7	52.3	52.9	53.5	54.1	54.7	55.6	56.5	57.5	58.5	59.4	60.2	61.0	61.8
120	51.4	52.0	52.6	53.2	53.8	54.4	55.3	56.3	57.3	58.2	59.1	60.0	60.8	61.6
130	51.1	51.7	52.3	52.9	53.5	54.1	55.1	56.0	57.0	58.0	58.9	59.8	60.6	61.4
140	50.4	51.1	51.8	52.5	53.2	53.9	54.8	55.8	56.8	57.8	58.7	59.5	60.4	61.1
150	50.2	51.2	51.8	52.4	53.0	53.6	54.5	55.5	56.5	57.5	58.4	59.3	60.1	60.9
160	49.9	50.6	51.3	52.0	52.7	53.4	54.3	55.3	56.3	57.3	58.2	59.1	59.9	60.7
170	49.7	50.4	51.3	51.9	52.5	53.1	54.0	55.1	56.1	57.0	58.0	58.8	59.7	60.4
180	49.4	50.1	50.8	51.5	52.2	52.9	53.8	54.8	55.8	56.8	57.7	58.6	59.4	60.2
190	49.4	50.1	50.8	51.4	52.0	52.6	53.6	54.6	55.6	56.6	57.5	58.4	59.2	60.0
200	49.4	50.0	50.6	51.2	51.8	52.4	53.3	54.4	55.4	56.3	57.3	58.1	59.0	59.8
210	49.2	49.8	50.4	51.0	51.6	52.2	53.1	54.1	55.1	56.1	57.0	57.9	58.7	59.5
220	48.5	49.2	49.9	50.6	51.3	52.0	52.9	53.9	54.9	55.9	56.8	57.7	58.5	59.3
230	48.3	49.0	49.7	50.4	51.1	51.8	52.7	53.7	54.7	55.7	56.6	57.5	58.3	59.1
240	48.1	48.8	49.5	50.2	50.9	51.6	52.5	53.5	54.5	55.5	56.4	57.3	58.1	58.9
250	47.9	48.6	49.3	50.0	50.7	51.4	52.3	53.3	54.3	55.3	56.2	57.1	57.9	58.7
260	47.7	48.4	49.3	49.9	50.5	51.1	52.1	53.1	54.1	55.1	56.0	56.8	57.7	58.5
270	47.5	48.2	48.9	49.6	50.3	51.0	51.9	52.9	53.9	54.9	55.8	56.6	57.5	58.3
280	47.3	48.0	48.7	49.4	50.1	50.8	51.7	52.7	53.7	54.7	55.6	56.4	57.3	58.1
290	47.2	48.0	48.7	49.4	50.0	50.6	51.5	52.5	53.5	54.5	55.4	56.3	57.1	57.9
300	47.1	48.0	48.6	49.2	49.8	50.4	51.3	52.3	53.3	54.3	55.2	56.1	56.9	57.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 123. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	52.5	53.0	53.5	54.0	54.5	55.0	55.9	56.8	57.7	58.7	59.6	60.4	61.2	62.0
50	52.8	53.3	53.8	54.3	54.8	55.3	56.2	57.1	58.1	59.0	59.9	60.8	61.6	62.3
60	52.7	53.2	53.7	54.2	54.7	55.2	56.1	57.1	58.1	59.0	59.9	60.8	61.6	62.4
70	51.7	52.3	52.9	53.5	54.1	54.7	55.5	56.5	57.4	58.3	59.2	60.0	60.8	61.6
80	51.3	51.9	52.5	53.1	53.7	54.3	55.1	56.0	57.0	57.8	58.7	59.5	60.3	61.0
90	51.0	51.6	52.2	52.8	53.4	54.0	54.8	55.7	56.7	57.6	58.4	59.2	60.0	60.7
100	50.7	51.3	52.2	52.7	53.2	53.7	54.6	55.5	56.4	57.3	58.2	59.0	59.8	60.5
110	50.5	51.1	51.7	52.3	52.9	53.5	54.3	55.3	56.2	57.1	58.0	58.8	59.6	60.3
120	50.2	50.8	51.4	52.0	52.6	53.2	54.1	55.0	56.0	56.9	57.8	58.6	59.4	60.2
130	50.0	50.6	51.2	51.8	52.4	53.0	53.9	54.8	55.8	56.7	57.6	58.4	59.2	60.0
140	49.7	50.4	51.2	51.7	52.2	52.7	53.6	54.6	55.6	56.5	57.4	58.2	59.0	59.8
150	49.5	50.1	50.7	51.3	51.9	52.5	53.4	54.4	55.3	56.3	57.2	58.0	58.8	59.6
160	49.3	49.9	50.5	51.1	51.7	52.3	53.2	54.1	55.1	56.1	57.0	57.8	58.6	59.4
170	49.0	49.6	50.2	50.8	51.4	52.0	52.9	53.9	54.9	55.8	56.7	57.6	58.4	59.2
180	48.8	49.4	50.0	50.6	51.2	51.8	52.7	53.7	54.7	55.6	56.5	57.4	58.2	59.0
190	48.6	49.2	49.8	50.4	51.0	51.6	52.5	53.5	54.5	55.4	56.3	57.2	58.0	58.8
200	48.4	49.0	49.6	50.2	50.8	51.4	52.3	53.3	54.3	55.2	56.1	57.0	57.8	58.6
210	48.2	48.8	49.4	50.0	50.6	51.2	52.1	53.1	54.0	55.0	55.9	56.8	57.6	58.4
220	48.0	48.6	49.2	49.8	50.4	51.0	51.9	52.9	53.8	54.8	55.7	56.6	57.4	58.2
230	47.3	48.0	48.7	49.4	50.1	50.8	51.7	52.6	53.6	54.6	55.5	56.4	57.2	58.0
240	47.1	47.8	48.5	49.2	49.9	50.6	51.5	52.4	53.4	54.4	55.3	56.2	57.0	57.8
250	47.1	47.8	48.5	49.2	49.8	50.4	51.3	52.2	53.2	54.2	55.1	56.0	56.8	57.5
260	47.0	47.8	48.4	49.0	49.6	50.2	51.1	52.1	53.0	54.0	54.9	55.8	56.6	57.4
270	47.0	47.6	48.2	48.8	49.4	50.0	50.9	51.9	52.8	53.8	54.7	55.6	56.4	57.2
280	46.8	47.4	48.0	48.6	49.2	49.8	50.7	51.7	52.7	53.6	54.5	55.4	56.2	57.0
290	46.6	47.2	47.8	48.4	49.0	49.6	50.5	51.5	52.5	53.4	54.3	55.2	56.0	56.8
300	46.4	47.0	47.6	48.2	48.8	49.4	50.3	51.3	52.3	53.2	54.1	55.0	55.8	56.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 124. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	51.1	51.7	52.3	52.9	53.5	54.1	54.9	55.9	56.8	57.8	58.7	59.5	60.3	61.1
50	51.9	52.4	52.9	53.4	53.9	54.4	55.2	56.1	57.1	58.0	58.9	59.7	60.5	61.2
60	51.5	52.1	52.7	53.3	53.9	54.5	55.4	56.4	57.3	58.3	59.2	60.1	60.9	61.7
70	51.2	51.7	52.2	52.7	53.2	53.7	54.6	55.5	56.4	57.3	58.2	59.0	59.8	60.6
80	50.7	51.2	51.7	52.2	52.7	53.2	54.0	54.9	55.8	56.7	57.5	58.3	59.1	59.8
90	50.4	50.9	51.4	51.9	52.4	52.9	53.7	54.6	55.5	56.4	57.2	58.0	58.8	59.5
100	49.7	50.3	50.9	51.5	52.1	52.7	53.5	54.4	55.3	56.1	57.0	57.8	58.5	59.3
110	49.7	50.3	50.9	51.4	51.9	52.4	53.2	54.2	55.1	56.0	56.8	57.6	58.4	59.1
120	49.7	50.2	50.7	51.2	51.7	52.2	53.0	54.0	54.9	55.8	56.6	57.4	58.2	58.9
130	49.0	49.6	50.2	50.8	51.4	52.0	52.8	53.8	54.7	55.6	56.5	57.3	58.0	58.8
140	48.8	49.4	50.0	50.6	51.2	51.8	52.6	53.6	54.5	55.4	56.3	57.1	57.9	58.6
150	48.6	49.2	49.8	50.4	51.0	51.6	52.4	53.4	54.3	55.2	56.1	56.9	57.7	58.5
160	48.6	49.2	49.8	50.3	50.8	51.3	52.2	53.2	54.1	55.0	55.9	56.7	57.5	58.3
170	48.6	49.1	49.6	50.1	50.6	51.1	52.0	53.0	53.9	54.8	55.7	56.6	57.4	58.1
180	47.9	48.5	49.1	49.7	50.3	50.9	51.8	52.8	53.7	54.6	55.5	56.4	57.2	57.9
190	47.7	48.3	48.9	49.5	50.1	50.7	51.6	52.6	53.5	54.5	55.3	56.2	57.0	57.7
200	47.5	48.1	48.7	49.3	49.9	50.5	51.4	52.4	53.3	54.3	55.1	56.0	56.8	57.6
210	47.3	47.9	48.5	49.1	49.7	50.3	51.2	52.2	53.1	54.1	55.0	55.8	56.6	57.4
220	47.1	47.7	48.3	48.9	49.5	50.1	51.0	52.0	52.9	53.9	54.8	55.6	56.4	57.2
230	46.9	47.5	48.1	48.7	49.3	49.9	50.8	51.8	52.7	53.7	54.6	55.4	56.2	57.0
240	46.7	47.3	47.9	48.5	49.1	49.7	50.6	51.6	52.6	53.5	54.4	55.2	56.0	56.8
250	46.5	47.1	47.7	48.3	48.9	49.5	50.4	51.4	52.4	53.3	54.2	55.0	55.8	56.6
260	46.4	47.0	47.6	48.2	48.8	49.4	50.2	51.2	52.2	53.1	54.0	54.9	55.7	56.4
270	46.2	46.8	47.4	48.0	48.6	49.2	50.1	51.0	52.0	52.9	53.8	54.7	55.5	56.2
280	46.0	46.6	47.2	47.8	48.4	49.0	49.9	50.8	51.8	52.7	53.6	54.5	55.3	56.1
290	45.8	46.4	47.0	47.6	48.2	48.8	49.7	50.7	51.6	52.6	53.5	54.3	55.1	55.9
300	45.7	46.3	47.0	47.6	48.1	48.6	49.5	50.5	51.5	52.4	53.3	54.1	54.9	55.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 125. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	50.7	51.2	51.7	52.2	52.7	53.2	54.1	55.0	56.0	56.9	57.8	58.7	59.5	60.2
50	51.0	51.5	52.0	52.5	53.0	53.5	54.3	55.2	56.2	57.0	57.9	58.7	59.5	60.2
60	51.3	51.8	52.3	52.8	53.3	53.8	54.7	55.7	56.7	57.6	58.5	59.4	60.2	61.0
70	50.5	51.0	51.5	52.0	52.5	53.0	53.8	54.8	55.7	56.6	57.4	58.3	59.1	59.8
80	49.9	50.4	50.9	51.4	51.9	52.4	53.1	54.0	54.9	55.8	56.6	57.4	58.2	58.9
90	49.5	50.0	50.5	51.0	51.5	52.0	52.8	53.6	54.5	55.4	56.2	57.0	57.7	58.4
100	49.2	49.7	50.2	50.7	51.2	51.7	52.5	53.4	54.3	55.1	55.9	56.7	57.4	58.2
110	49.0	49.5	50.0	50.5	51.0	51.5	52.3	53.2	54.1	54.9	55.7	56.5	57.3	58.0
120	48.8	49.3	49.8	50.3	50.8	51.3	52.1	53.0	53.9	54.8	55.6	56.4	57.1	57.8
130	48.6	49.1	49.6	50.1	50.6	51.1	51.9	52.8	53.7	54.6	55.4	56.2	57.0	57.7
140	48.4	48.9	49.4	49.9	50.4	50.9	51.7	52.6	53.5	54.4	55.3	56.1	56.8	57.6
150	48.2	48.7	49.2	49.7	50.2	50.7	51.5	52.4	53.4	54.3	55.1	55.9	56.7	57.4
160	47.5	48.1	48.7	49.3	49.9	50.5	51.3	52.3	53.2	54.1	54.9	55.7	56.5	57.3
170	47.3	47.9	48.5	49.1	49.7	50.3	51.1	52.1	53.0	53.9	54.8	55.6	56.4	57.1
180	47.1	47.7	48.3	48.9	49.5	50.1	50.9	51.9	52.8	53.7	54.6	55.4	56.2	56.9
190	46.9	47.5	48.1	48.7	49.3	49.9	50.8	51.7	52.6	53.5	54.4	55.2	56.0	56.8
200	46.7	47.3	47.9	48.5	49.1	49.7	50.6	51.5	52.5	53.4	54.2	55.1	55.9	56.6
210	46.7	47.3	47.9	48.5	49.0	49.5	50.4	51.3	52.3	53.2	54.1	54.9	55.7	56.4
220	46.6	47.2	47.8	48.3	48.8	49.3	50.2	51.1	52.1	53.0	53.9	54.7	55.5	56.3
230	46.6	47.1	47.6	48.1	48.6	49.1	50.0	51.0	51.9	52.8	53.7	54.5	55.3	56.1
240	46.0	46.6	47.2	47.8	48.4	49.0	49.8	50.8	51.7	52.6	53.5	54.4	55.2	55.9
250	45.8	46.4	47.0	47.6	48.2	48.8	49.6	50.6	51.5	52.5	53.3	54.2	55.0	55.7
260	45.6	46.2	46.8	47.4	48.0	48.6	49.5	50.4	51.4	52.3	53.2	54.0	54.8	55.6
270	45.6	46.2	46.8	47.4	47.9	48.4	49.3	50.2	51.2	52.1	53.0	53.8	54.6	55.4
280	45.6	46.2	46.7	47.2	47.7	48.2	49.1	50.1	51.0	51.9	52.8	53.7	54.5	55.2
290	45.1	45.7	46.3	46.9	47.5	48.1	48.9	49.9	50.8	51.8	52.6	53.5	54.3	55.0
300	44.9	45.5	46.1	46.7	47.3	47.9	48.8	49.7	50.7	51.6	52.5	53.3	54.1	54.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 126. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	49.9	50.4	50.9	51.4	51.9	52.4	53.3	54.2	55.2	56.1	57.0	57.8	58.6	59.4
50	50.2	50.7	51.2	51.7	52.2	52.7	53.5	54.4	55.3	56.2	57.0	57.8	58.6	59.3
60	50.2	50.8	51.4	52.0	52.6	53.2	54.0	55.0	55.9	56.9	57.8	58.6	59.4	60.2
70	49.8	50.3	50.8	51.3	51.8	52.3	53.1	54.1	55.0	55.9	56.7	57.5	58.3	59.1
80	49.6	50.0	50.4	50.8	51.2	51.6	52.4	53.3	54.1	55.0	55.8	56.6	57.3	58.1
90	48.7	49.2	49.7	50.2	50.7	51.2	51.9	52.8	53.6	54.5	55.3	56.0	56.8	57.5
100	48.4	48.9	49.4	49.9	50.4	50.9	51.6	52.5	53.3	54.2	55.0	55.7	56.5	57.2
110	48.2	48.7	49.2	49.7	50.2	50.7	51.4	52.3	53.1	54.0	54.8	55.5	56.3	57.0
120	48.0	48.5	49.0	49.5	50.0	50.5	51.2	52.1	53.0	53.8	54.6	55.4	56.1	56.8
130	47.8	48.3	48.8	49.3	49.8	50.3	51.0	51.9	52.8	53.6	54.5	55.2	56.0	56.7
140	47.6	48.1	48.6	49.1	49.6	50.1	50.9	51.7	52.6	53.5	54.3	55.1	55.8	56.5
150	47.4	47.9	48.4	48.9	49.4	49.9	50.7	51.6	52.5	53.3	54.2	54.9	55.7	56.4
160	47.2	47.7	48.2	48.7	49.2	49.7	50.5	51.4	52.3	53.2	54.0	54.8	55.5	56.3
170	47.0	47.5	48.0	48.5	49.0	49.5	50.3	51.2	52.1	53.0	53.8	54.6	55.4	56.1
180	46.8	47.3	47.8	48.3	48.8	49.3	50.1	51.0	51.9	52.8	53.7	54.5	55.2	56.0
190	46.6	47.1	47.6	48.1	48.6	49.1	49.9	50.9	51.8	52.7	53.5	54.3	55.1	55.8
200	46.4	46.9	47.4	47.9	48.4	48.9	49.8	50.7	51.6	52.5	53.3	54.2	54.9	55.7
210	46.2	46.7	47.2	47.7	48.2	48.7	49.6	50.5	51.4	52.3	53.2	54.0	54.8	55.5
220	45.6	46.2	46.8	47.4	48.0	48.6	49.4	50.3	51.3	52.1	53.0	53.8	54.6	55.3
230	45.4	46.0	46.6	47.2	47.8	48.4	49.2	50.1	51.1	52.0	52.8	53.6	54.4	55.2
240	45.4	46.0	46.6	47.2	47.7	48.2	49.0	50.0	50.9	51.8	52.7	53.5	54.3	55.0
250	45.3	45.9	46.5	47.0	47.5	48.0	48.9	49.8	50.7	51.6	52.5	53.3	54.1	54.8
260	45.3	45.8	46.3	46.8	47.3	47.8	48.7	49.6	50.6	51.5	52.3	53.1	53.9	54.7
270	44.7	45.2	45.9	46.5	47.1	47.7	48.5	49.5	50.4	51.3	52.2	53.0	53.7	54.5
280	44.6	45.1	45.8	46.5	47.0	47.5	48.4	49.3	50.2	51.1	52.0	52.8	53.6	54.3
290	44.5	45.2	45.8	46.3	46.8	47.3	48.2	49.1	50.1	51.0	51.8	52.6	53.4	54.2
300	44.2	44.8	45.4	46.0	46.6	47.2	48.0	49.0	49.9	50.8	51.7	52.5	53.3	54.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 127. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.5	72.5	73.5	74.5	75.5	76.5	77.8	79.0	80.3	81.5	82.6	83.6	84.6	85.5
20	69.6	70.5	71.4	72.3	73.2	74.1	75.4	76.6	77.9	79.0	80.1	81.1	82.1	83.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	49.2	49.7	50.2	50.7	51.2	51.7	52.6	53.5	54.5	55.4	56.3	57.1	58.0	58.7
50	49.5	50.0	50.5	51.0	51.5	52.0	52.8	53.6	54.5	55.4	56.2	57.0	57.7	58.5
60	49.9	50.4	50.9	51.4	51.9	52.4	53.3	54.2	55.1	56.1	56.9	57.8	58.6	59.3
70	49.2	49.7	50.2	50.7	51.2	51.7	52.5	53.4	54.3	55.2	56.0	56.8	57.6	58.3
80	48.9	49.3	49.7	50.1	50.5	50.9	51.7	52.5	53.4	54.2	55.0	55.8	56.6	57.3
90	48.0	48.5	49.0	49.5	50.0	50.5	51.2	52.0	52.9	53.7	54.5	55.2	56.0	56.7
100	48.0	48.5	48.9	49.3	49.7	50.1	50.9	51.7	52.5	53.4	54.1	54.9	55.6	56.3
110	47.9	48.3	48.7	49.1	49.5	49.9	50.6	51.5	52.3	53.1	53.9	54.7	55.4	56.1
120	47.2	47.7	48.2	48.7	49.2	49.7	50.4	51.3	52.1	52.9	53.7	54.5	55.2	55.9
130	47.0	47.5	48.0	48.5	49.0	49.5	50.2	51.1	51.9	52.8	53.6	54.3	55.0	55.7
140	46.8	47.3	47.8	48.3	48.8	49.3	50.1	50.9	51.8	52.6	53.4	54.2	54.9	55.6
150	46.6	47.1	47.6	48.1	48.6	49.1	49.9	50.7	51.6	52.4	53.2	54.0	54.7	55.4
160	46.4	46.9	47.4	47.9	48.4	48.9	49.7	50.6	51.4	52.3	53.1	53.9	54.6	55.3
170	46.2	46.7	47.2	47.7	48.2	48.7	49.5	50.4	51.3	52.1	52.9	53.7	54.4	55.1
180	46.0	46.5	47.0	47.5	48.0	48.5	49.3	50.2	51.1	52.0	52.8	53.6	54.3	55.0
190	45.9	46.4	46.9	47.5	47.9	48.3	49.1	50.0	50.9	51.8	52.6	53.4	54.1	54.9
200	45.7	46.2	46.7	47.2	47.7	48.2	49.0	49.9	50.8	51.6	52.5	53.2	54.0	54.7
210	45.5	46.0	46.5	47.0	47.5	48.0	48.8	49.7	50.6	51.5	52.3	53.1	53.8	54.5
220	45.3	45.8	46.3	46.8	47.3	47.8	48.6	49.5	50.4	51.3	52.1	52.9	53.7	54.4
230	45.1	45.6	46.1	46.6	47.1	47.6	48.4	49.3	50.3	51.1	52.0	52.8	53.5	54.2
240	44.5	45.1	45.7	46.3	46.9	47.5	48.3	49.2	50.1	51.0	51.8	52.6	53.3	54.1
250	44.5	45.1	45.7	46.3	46.8	47.3	48.1	49.0	49.9	50.8	51.6	52.4	53.2	53.9
260	44.4	45.1	45.6	46.1	46.6	47.1	47.9	48.8	49.7	50.6	51.5	52.3	53.0	53.7
270	44.4	44.9	45.4	45.9	46.4	46.9	47.8	48.7	49.6	50.5	51.3	52.1	52.9	53.6
280	44.3	44.8	45.3	45.8	46.3	46.8	47.6	48.5	49.4	50.3	51.1	51.9	52.7	53.4
290	44.1	44.6	45.1	45.6	46.1	46.6	47.4	48.3	49.3	50.1	51.0	51.8	52.5	53.3
300	43.5	44.1	44.7	45.3	45.9	46.5	47.3	48.2	49.1	50.0	50.8	51.6	52.4	53.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 128. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	55.6	56.1	56.6	57.1	57.6	58.1	58.9	59.9	60.8	61.8	62.7	63.5	64.4	65.2
50	54.8	55.3	55.8	56.3	56.8	57.3	58.1	59.0	59.9	60.8	61.7	62.6	63.4	64.2
60	54.7	55.1	55.5	55.9	56.3	56.7	57.5	58.4	59.3	60.2	61.1	61.9	62.7	63.5
70	53.7	54.1	54.5	54.9	55.3	55.7	56.5	57.4	58.3	59.2	60.0	60.8	61.6	62.4
80	52.5	53.0	53.5	54.0	54.5	55.0	55.7	56.5	57.4	58.2	59.1	59.9	60.6	61.4
90	52.2	52.6	53.0	53.4	53.8	54.2	54.9	55.7	56.6	57.4	58.2	58.9	59.7	60.4
100	52.0	52.3	52.6	52.9	53.2	53.5	54.2	55.0	55.8	56.5	57.3	58.0	58.7	59.4
110	51.4	51.7	52.0	52.3	52.6	52.9	53.5	54.3	55.0	55.8	56.5	57.2	57.9	58.5
120	51.3	51.5	51.7	51.9	52.1	52.3	52.9	53.6	54.4	55.1	55.8	56.4	57.1	57.7
130	50.8	51.0	51.2	51.4	51.6	51.8	52.4	53.1	53.8	54.4	55.1	55.7	56.4	57.0
140	49.9	50.2	50.5	50.8	51.1	51.4	51.9	52.5	53.2	53.8	54.5	55.1	55.7	56.3
150	49.9	50.1	50.3	50.5	50.7	50.9	51.4	52.1	52.7	53.3	53.9	54.5	55.1	55.6
160	49.5	49.7	49.9	50.1	50.3	50.5	51.0	51.6	52.2	52.8	53.4	53.9	54.5	55.0
170	49.5	49.7	49.8	49.9	50.0	50.1	50.6	51.2	51.8	52.4	52.9	53.4	54.0	54.5
180	48.8	49.0	49.2	49.4	49.6	49.8	50.3	50.8	51.4	51.9	52.5	53.0	53.5	53.9
190	48.5	48.7	48.9	49.1	49.3	49.5	49.9	50.5	51.0	51.5	52.1	52.5	53.0	53.5
200	48.5	48.6	48.9	49.0	49.1	49.2	49.6	50.1	50.7	51.2	51.7	52.1	52.6	53.0
210	48.4	48.5	48.6	48.7	48.8	48.9	49.3	49.8	50.4	50.9	51.3	51.8	52.2	52.6
220	47.7	47.9	48.1	48.3	48.5	48.7	49.1	49.6	50.1	50.5	51.0	51.4	51.8	52.2
230	47.7	47.9	48.1	48.2	48.3	48.4	48.8	49.3	49.8	50.2	50.7	51.1	51.5	51.9
240	47.7	47.8	47.9	48.0	48.1	48.2	48.6	49.0	49.5	50.0	50.4	50.8	51.2	51.5
250	47.5	47.6	47.7	47.8	47.9	48.0	48.3	48.8	49.3	49.7	50.1	50.5	50.9	51.2
260	47.3	47.4	47.5	47.6	47.7	47.8	48.1	48.6	49.1	49.5	49.9	50.3	50.6	50.9
270	47.1	47.2	47.5	47.5	47.5	47.5	47.9	48.4	48.8	49.2	49.6	50.0	50.3	50.6
280	46.9	47.0	47.1	47.2	47.3	47.4	47.7	48.2	48.6	49.0	49.4	49.7	50.1	50.4
290	46.7	46.8	46.9	47.0	47.1	47.2	47.5	48.0	48.4	48.8	49.2	49.5	49.8	50.1
300	46.5	46.6	46.7	46.8	46.9	47.0	47.3	47.8	48.2	48.6	49.0	49.3	49.6	49.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 129. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	54.2	54.6	55.0	55.4	55.8	56.2	56.9	57.8	58.6	59.5	60.3	61.1	61.9	62.6
50	53.6	54.0	54.4	54.8	55.2	55.6	56.3	57.2	58.0	58.9	59.7	60.5	61.3	62.0
60	53.3	53.7	54.1	54.5	54.9	55.3	56.0	56.8	57.6	58.5	59.3	60.0	60.8	61.5
70	52.3	52.7	53.1	53.5	53.9	54.3	55.0	55.8	56.7	57.5	58.3	59.1	59.8	60.6
80	51.7	52.1	52.5	52.9	53.3	53.7	54.4	55.2	56.0	56.8	57.6	58.3	59.1	59.8
90	51.1	51.5	51.9	52.3	52.7	53.1	53.8	54.5	55.3	56.1	56.9	57.6	58.3	59.0
100	51.0	51.3	51.6	51.9	52.2	52.5	53.2	53.9	54.7	55.4	56.2	56.9	57.6	58.3
110	50.5	50.8	51.1	51.4	51.7	52.0	52.6	53.3	54.1	54.8	55.5	56.2	56.9	57.5
120	50.0	50.3	50.6	50.9	51.2	51.5	52.1	52.8	53.5	54.2	54.9	55.5	56.2	56.8
130	49.5	49.8	50.1	50.4	50.7	51.0	51.6	52.2	52.9	53.6	54.3	54.9	55.5	56.1
140	49.1	49.4	49.7	50.0	50.3	50.6	51.1	51.7	52.4	53.0	53.7	54.3	54.9	55.5
150	49.1	49.3	49.5	49.7	49.9	50.1	50.7	51.3	51.9	52.5	53.1	53.7	54.3	54.9
160	48.7	48.9	49.1	49.3	49.5	49.7	50.2	50.9	51.5	52.1	52.7	53.2	53.8	54.3
170	48.4	48.6	48.8	49.0	49.2	49.4	49.9	50.5	51.0	51.6	52.2	52.7	53.3	53.8
180	48.1	48.3	48.5	48.7	48.9	49.1	49.6	50.1	50.7	51.3	51.8	52.3	52.8	53.3
190	47.9	48.3	48.4	48.5	48.6	48.7	49.2	49.7	50.3	50.8	51.4	51.9	52.4	52.8
200	47.5	47.7	47.9	48.1	48.3	48.5	48.9	49.5	50.0	50.5	51.0	51.5	52.0	52.4
210	47.5	47.7	47.9	48.0	48.1	48.2	48.6	49.2	49.7	50.2	50.7	51.1	51.6	52.0
220	47.4	47.5	47.6	47.7	47.8	47.9	48.3	48.8	49.3	49.8	50.3	50.7	51.2	51.6
230	46.7	46.9	47.1	47.3	47.5	47.7	48.1	48.6	49.1	49.5	50.0	50.4	50.8	51.2
240	46.7	46.9	47.1	47.2	47.3	47.4	47.8	48.3	48.8	49.3	49.7	50.1	50.5	50.9
250	46.7	46.8	46.9	47.0	47.1	47.2	47.6	48.1	48.5	49.0	49.4	49.8	50.2	50.5
260	46.5	46.6	46.7	46.8	46.9	47.0	47.4	47.9	48.3	48.8	49.2	49.6	49.9	50.3
270	46.3	46.4	46.5	46.6	46.7	46.8	47.2	47.6	48.1	48.5	48.9	49.3	49.6	50.0
280	46.1	46.2	46.3	46.4	46.5	46.6	47.0	47.4	47.9	48.3	48.7	49.0	49.4	49.7
290	45.9	46.0	46.1	46.2	46.3	46.4	46.8	47.2	47.7	48.1	48.4	48.8	49.1	49.4
300	45.8	45.9	46.0	46.1	46.2	46.2	46.6	47.0	47.5	47.9	48.2	48.6	48.9	49.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 130. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	52.8	53.2	53.6	54.0	54.4	54.8	55.5	56.3	57.1	57.9	58.7	59.5	60.2	60.9
50	52.6	53.0	53.4	53.8	54.2	54.6	55.3	56.1	57.0	57.8	58.6	59.4	60.2	60.9
60	52.0	52.4	52.8	53.2	53.6	54.0	54.7	55.5	56.4	57.2	58.0	58.8	59.6	60.3
70	51.8	52.1	52.4	52.7	53.0	53.3	54.0	54.8	55.6	56.4	57.2	57.9	58.7	59.4
80	50.8	51.2	51.6	52.0	52.4	52.8	53.4	54.2	55.0	55.8	56.6	57.3	58.0	58.8
90	50.7	51.0	51.3	51.6	51.9	52.2	52.9	53.6	54.4	55.2	55.9	56.7	57.4	58.1
100	50.2	50.5	50.8	51.1	51.4	51.7	52.3	53.1	53.8	54.6	55.3	56.1	56.8	57.5
110	49.7	50.0	50.3	50.6	50.9	51.2	51.8	52.6	53.3	54.1	54.8	55.5	56.2	56.8
120	49.7	49.9	50.1	50.3	50.5	50.7	51.3	52.0	52.8	53.5	54.2	54.9	55.5	56.2
130	48.8	49.1	49.4	49.7	50.0	50.3	50.9	51.6	52.3	53.0	53.6	54.3	54.9	55.6
140	48.4	48.7	49.0	49.3	49.6	49.9	50.4	51.1	51.8	52.4	53.1	53.7	54.4	55.0
150	48.3	48.7	48.9	49.1	49.3	49.5	50.0	50.7	51.3	52.0	52.6	53.2	53.8	54.4
160	48.1	48.3	48.5	48.7	48.9	49.1	49.6	50.3	50.9	51.5	52.1	52.7	53.3	53.9
170	47.7	47.9	48.1	48.3	48.5	48.7	49.2	49.8	50.4	51.0	51.6	52.2	52.8	53.3
180	47.4	47.6	47.8	48.0	48.2	48.4	48.9	49.5	50.1	50.6	51.2	51.8	52.3	52.8
190	47.1	47.3	47.5	47.7	47.9	48.1	48.5	49.1	49.7	50.3	50.8	51.3	51.8	52.4
200	46.8	47.0	47.2	47.4	47.6	47.8	48.2	48.8	49.4	49.9	50.4	50.9	51.4	51.9
210	46.8	47.0	47.2	47.3	47.4	47.5	47.9	48.5	49.0	49.6	50.1	50.6	51.0	51.5
220	46.7	46.8	46.9	47.0	47.1	47.2	47.7	48.2	48.7	49.2	49.7	50.2	50.7	51.1
230	46.5	46.6	46.7	46.8	46.9	47.0	47.4	47.9	48.4	48.9	49.4	49.9	50.3	50.7
240	45.8	46.0	46.2	46.4	46.6	46.8	47.2	47.7	48.2	48.7	49.1	49.5	50.0	50.4
250	45.8	46.0	46.2	46.3	46.4	46.5	46.9	47.4	47.9	48.4	48.8	49.3	49.7	50.0
260	45.8	45.9	46.0	46.1	46.2	46.3	46.7	47.2	47.7	48.1	48.6	49.0	49.4	49.7
270	45.6	45.7	45.8	45.9	46.0	46.1	46.5	47.0	47.4	47.9	48.3	48.7	49.1	49.4
280	45.4	45.5	45.6	45.7	45.8	45.9	46.3	46.8	47.2	47.7	48.1	48.4	48.8	49.2
290	45.3	45.4	45.4	45.7	45.7	45.7	46.1	46.6	47.0	47.4	47.8	48.2	48.6	48.9
300	45.1	45.2	45.3	45.4	45.5	45.6	45.9	46.4	46.8	47.2	47.6	48.0	48.3	48.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 131. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	51.8	52.2	52.6	53.0	53.4	53.8	54.6	55.4	56.2	57.1	57.9	58.7	59.4	60.2
50	51.8	52.2	52.6	53.0	53.4	53.8	54.6	55.4	56.3	57.1	58.0	58.8	59.5	60.3
60	51.5	51.9	52.3	52.7	53.1	53.5	54.2	55.0	55.8	56.7	57.5	58.3	59.0	59.8
70	50.6	51.0	51.4	51.8	52.2	52.6	53.3	54.0	54.9	55.7	56.4	57.2	57.9	58.7
80	50.0	50.4	50.8	51.2	51.6	52.0	52.6	53.4	54.2	55.0	55.8	56.5	57.2	58.0
90	49.9	50.2	50.5	50.8	51.1	51.4	52.1	52.9	53.6	54.4	55.2	55.9	56.6	57.3
100	49.5	49.8	50.1	50.4	50.7	51.0	51.6	52.4	53.1	53.9	54.6	55.4	56.1	56.8
110	49.0	49.3	49.6	49.9	50.2	50.5	51.1	51.9	52.6	53.4	54.1	54.8	55.5	56.2
120	48.6	48.9	49.2	49.5	49.8	50.1	50.7	51.4	52.1	52.8	53.6	54.3	54.9	55.6
130	48.1	48.4	48.7	49.0	49.3	49.6	50.2	50.9	51.6	52.3	53.0	53.7	54.4	55.0
140	47.7	48.0	48.3	48.6	48.9	49.2	49.8	50.4	51.1	51.8	52.5	53.2	53.8	54.5
150	47.6	48.0	48.2	48.4	48.6	48.8	49.4	50.0	50.7	51.4	52.0	52.7	53.3	53.9
160	47.4	47.6	47.8	48.0	48.2	48.4	49.0	49.6	50.3	50.9	51.6	52.2	52.8	53.4
170	47.1	47.3	47.5	47.7	47.9	48.1	48.6	49.2	49.9	50.5	51.1	51.7	52.3	52.9
180	46.8	47.0	47.2	47.4	47.6	47.8	48.3	48.9	49.5	50.1	50.7	51.3	51.8	52.4
190	46.5	46.7	46.9	47.1	47.3	47.5	47.9	48.5	49.1	49.7	50.3	50.9	51.4	51.9
200	46.2	46.4	46.6	46.8	47.0	47.2	47.6	48.2	48.8	49.4	49.9	50.5	51.0	51.5
210	45.9	46.1	46.3	46.5	46.7	46.9	47.4	47.9	48.5	49.0	49.6	50.1	50.6	51.1
220	45.7	45.9	46.3	46.4	46.5	46.6	47.1	47.6	48.2	48.7	49.2	49.7	50.2	50.7
230	45.4	45.6	45.8	46.0	46.2	46.4	46.8	47.3	47.9	48.4	48.9	49.4	49.9	50.3
240	45.4	45.6	45.8	45.9	46.0	46.1	46.6	47.1	47.6	48.1	48.6	49.1	49.5	50.0
250	45.4	45.5	45.6	45.7	45.8	45.9	46.3	46.8	47.3	47.8	48.3	48.8	49.2	49.6
260	45.2	45.3	45.4	45.5	45.6	45.7	46.1	46.6	47.1	47.6	48.0	48.5	48.9	49.3
270	45.0	45.1	45.2	45.3	45.4	45.5	45.9	46.4	46.9	47.3	47.8	48.2	48.6	49.0
280	44.8	44.9	45.0	45.1	45.2	45.3	45.7	46.2	46.6	47.1	47.5	47.9	48.3	48.7
290	44.6	44.7	44.8	44.9	45.0	45.1	45.5	46.0	46.4	46.9	47.3	47.7	48.1	48.4
300	44.4	44.5	44.6	44.7	44.8	44.9	45.3	45.8	46.2	46.7	47.1	47.5	47.8	48.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 132. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	51.0	51.4	51.8	52.2	52.6	53.0	53.7	54.6	55.4	56.3	57.1	57.9	58.7	59.4
50	51.1	51.5	51.9	52.3	52.7	53.1	53.9	54.7	55.6	56.4	57.3	58.0	58.8	59.6
60	50.5	51.0	51.5	52.0	52.5	53.0	53.7	54.5	55.4	56.2	57.1	57.9	58.6	59.4
70	49.9	50.3	50.7	51.1	51.5	51.9	52.6	53.4	54.2	55.1	55.9	56.6	57.4	58.1
80	49.3	49.7	50.1	50.5	50.9	51.3	52.0	52.7	53.5	54.3	55.1	55.9	56.6	57.3
90	48.8	49.2	49.6	50.0	50.4	50.8	51.4	52.2	53.0	53.8	54.5	55.3	56.0	56.7
100	48.8	49.1	49.4	49.7	50.0	50.3	50.9	51.7	52.5	53.2	54.0	54.7	55.4	56.1
110	48.3	48.6	48.9	49.2	49.5	49.8	50.4	51.2	51.9	52.7	53.4	54.2	54.9	55.6
120	47.9	48.2	48.5	48.8	49.1	49.4	50.0	50.7	51.5	52.2	52.9	53.6	54.3	55.0
130	47.5	47.8	48.1	48.4	48.7	49.0	49.6	50.3	51.0	51.7	52.4	53.1	53.8	54.5
140	47.1	47.4	47.7	48.0	48.3	48.6	49.1	49.8	50.5	51.3	51.9	52.6	53.3	53.9
150	46.7	47.0	47.3	47.6	47.9	48.2	48.8	49.4	50.1	50.8	51.5	52.1	52.8	53.4
160	46.6	47.0	47.2	47.4	47.6	47.8	48.4	49.0	49.7	50.4	51.0	51.7	52.3	52.9
170	46.5	46.7	46.9	47.1	47.3	47.5	48.0	48.7	49.3	50.0	50.6	51.2	51.8	52.4
180	46.2	46.4	46.6	46.8	47.0	47.2	47.7	48.3	48.9	49.6	50.2	50.8	51.4	52.0
190	45.9	46.1	46.3	46.5	46.7	46.9	47.4	48.0	48.6	49.2	49.8	50.4	50.9	51.5
200	45.6	45.8	46.0	46.2	46.4	46.6	47.1	47.7	48.3	48.9	49.4	50.0	50.5	51.1
210	45.3	45.5	45.7	45.9	46.1	46.3	46.8	47.3	47.9	48.5	49.1	49.6	50.1	50.7
220	45.0	45.3	45.7	45.8	45.9	46.0	46.5	47.1	47.6	48.2	48.7	49.3	49.8	50.3
230	44.8	45.0	45.2	45.4	45.6	45.8	46.2	46.8	47.3	47.9	48.4	48.9	49.4	49.9
240	44.8	45.0	45.2	45.3	45.4	45.5	46.0	46.5	47.1	47.6	48.1	48.6	49.1	49.5
250	44.8	44.9	45.0	45.1	45.2	45.3	45.7	46.3	46.8	47.3	47.8	48.3	48.7	49.2
260	44.6	44.7	44.8	44.9	45.0	45.1	45.5	46.0	46.5	47.1	47.5	48.0	48.4	48.9
270	44.4	44.5	44.6	44.7	44.8	44.9	45.3	45.8	46.3	46.8	47.3	47.7	48.1	48.6
280	44.2	44.3	44.4	44.5	44.6	44.7	45.1	45.6	46.1	46.6	47.0	47.4	47.9	48.3
290	44.0	44.1	44.2	44.3	44.4	44.5	44.9	45.4	45.9	46.3	46.8	47.2	47.6	48.0
300	43.8	43.9	44.0	44.1	44.2	44.3	44.7	45.2	45.7	46.1	46.5	46.9	47.3	47.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 133. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	49.8	50.3	50.8	51.3	51.8	52.3	53.1	53.9	54.8	55.7	56.5	57.4	58.1	58.9
50	50.4	50.8	51.2	51.6	52.0	52.4	53.1	54.0	54.8	55.7	56.5	57.3	58.0	58.8
60	50.4	50.8	51.2	51.6	52.0	52.4	53.2	54.0	54.9	55.8	56.6	57.4	58.2	59.0
70	49.4	49.8	50.2	50.6	51.0	51.4	52.1	52.9	53.8	54.6	55.4	56.2	57.0	57.7
80	48.7	49.1	49.5	49.9	50.3	50.7	51.4	52.1	53.0	53.8	54.6	55.3	56.1	56.8
90	48.6	48.9	49.2	49.5	49.8	50.1	50.8	51.5	52.3	53.1	53.9	54.6	55.3	56.1
100	48.1	48.4	48.7	49.0	49.3	49.6	50.3	51.0	51.8	52.6	53.3	54.0	54.8	55.5
110	47.7	48.0	48.3	48.6	48.9	49.2	49.8	50.5	51.3	52.1	52.8	53.5	54.2	54.9
120	47.2	47.5	47.8	48.1	48.4	48.7	49.4	50.1	50.8	51.6	52.3	53.0	53.7	54.4
130	47.0	47.5	47.7	47.9	48.1	48.3	48.9	49.6	50.4	51.1	51.8	52.5	53.2	53.8
140	46.5	46.8	47.1	47.4	47.7	48.0	48.5	49.2	49.9	50.7	51.4	52.0	52.7	53.3
150	46.1	46.4	46.7	47.0	47.3	47.6	48.2	48.8	49.5	50.2	50.9	51.6	52.2	52.9
160	46.0	46.4	46.6	46.8	47.0	47.2	47.8	48.4	49.1	49.8	50.5	51.1	51.7	52.4
170	45.9	46.1	46.3	46.5	46.7	46.9	47.4	48.1	48.8	49.4	50.1	50.7	51.3	51.9
180	45.6	45.8	46.0	46.2	46.4	46.6	47.1	47.7	48.4	49.0	49.6	50.3	50.9	51.4
190	45.3	45.5	45.7	45.9	46.1	46.3	46.8	47.4	48.0	48.7	49.3	49.9	50.4	51.0
200	45.0	45.2	45.4	45.6	45.8	46.0	46.5	47.1	47.7	48.3	48.9	49.5	50.0	50.6
210	44.7	44.9	45.1	45.3	45.5	45.7	46.2	46.8	47.4	48.0	48.6	49.1	49.7	50.2
220	44.5	44.7	44.9	45.1	45.3	45.5	45.9	46.5	47.1	47.7	48.2	48.8	49.3	49.8
230	44.2	44.4	44.6	44.8	45.0	45.2	45.7	46.2	46.8	47.4	47.9	48.4	48.9	49.4
240	44.0	44.2	44.4	44.6	44.8	45.0	45.4	46.0	46.5	47.1	47.6	48.1	48.6	49.1
250	44.0	44.2	44.4	44.5	44.6	44.7	45.2	45.7	46.3	46.8	47.3	47.8	48.3	48.8
260	44.0	44.1	44.2	44.3	44.4	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.4
270	43.8	43.9	44.0	44.1	44.2	44.3	44.7	45.2	45.8	46.3	46.8	47.2	47.7	48.1
280	43.6	43.7	43.8	43.9	44.0	44.1	44.5	45.0	45.5	46.0	46.5	47.0	47.4	47.8
290	43.4	43.5	43.6	43.7	43.8	43.9	44.3	44.8	45.3	45.8	46.3	46.7	47.1	47.5
300	43.2	43.3	43.4	43.5	43.6	43.7	44.1	44.6	45.1	45.6	46.0	46.5	46.9	47.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 134. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	49.0	49.5	50.0	50.5	51.0	51.5	52.3	53.2	54.1	54.9	55.8	56.6	57.4	58.1
50	49.2	49.7	50.2	51.2	51.2	51.7	52.4	53.2	54.1	54.9	55.7	56.5	57.2	58.0
60	49.3	49.8	50.3	51.3	51.3	51.8	52.5	53.4	54.3	55.2	56.1	56.9	57.7	58.5
70	48.9	49.3	49.7	50.1	50.5	50.9	51.6	52.5	53.3	54.2	55.0	55.8	56.6	57.3
80	48.1	48.5	48.9	49.3	49.7	50.1	50.8	51.6	52.4	53.2	54.0	54.8	55.5	56.3
90	48.0	48.3	48.6	48.9	49.2	49.5	50.2	50.9	51.7	52.5	53.3	54.0	54.7	55.4
100	47.5	47.8	48.1	48.4	48.7	49.0	49.6	50.4	51.1	51.9	52.7	53.4	54.1	54.8
110	47.0	47.3	47.6	47.9	48.2	48.5	49.2	49.9	50.6	51.4	52.1	52.8	53.5	54.2
120	46.6	46.9	47.2	47.5	47.8	48.1	48.7	49.4	50.2	50.9	51.6	52.3	53.0	53.7
130	46.3	46.9	47.1	47.3	47.5	47.7	48.3	49.0	49.8	50.5	51.2	51.9	52.6	53.2
140	45.9	46.2	46.5	46.8	47.1	47.4	47.9	48.6	49.4	50.1	50.8	51.4	52.1	52.7
150	45.5	45.8	46.1	46.4	46.7	47.0	47.6	48.3	49.0	49.6	50.3	51.0	51.6	52.3
160	45.2	45.5	45.8	46.1	46.4	46.7	47.2	47.9	48.6	49.3	49.9	50.6	51.2	51.8
170	45.1	45.5	45.7	45.9	46.1	46.3	46.9	47.5	48.2	48.9	49.5	50.2	50.8	51.4
180	45.0	45.2	45.4	45.6	45.8	46.0	46.6	47.2	47.9	48.5	49.1	49.8	50.4	51.0
190	44.7	44.9	45.1	45.3	45.5	45.7	46.2	46.9	47.5	48.1	48.8	49.4	49.9	50.5
200	44.4	44.6	44.8	45.0	45.2	45.4	45.9	46.6	47.2	47.8	48.4	49.0	49.6	50.1
210	44.2	44.4	44.6	44.8	45.0	45.2	45.7	46.3	46.9	47.5	48.1	48.6	49.2	49.7
220	43.9	44.1	44.3	44.5	44.7	44.9	45.4	46.0	46.6	47.2	47.7	48.3	48.8	49.4
230	43.7	43.9	44.1	44.3	44.5	44.7	45.1	45.7	46.3	46.9	47.4	48.0	48.5	49.0
240	43.5	43.6	44.1	44.2	44.3	44.4	44.9	45.4	46.0	46.6	47.1	47.6	48.1	48.6
250	43.2	43.4	43.6	43.8	44.0	44.2	44.6	45.2	45.8	46.3	46.8	47.3	47.8	48.3
260	43.0	43.2	43.4	43.6	43.8	44.0	44.4	45.0	45.5	46.0	46.6	47.0	47.5	48.0
270	42.8	43.0	43.2	43.4	43.6	43.8	44.2	44.7	45.3	45.8	46.3	46.8	47.2	47.7
280	42.6	42.8	43.0	43.2	43.4	43.6	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.4
290	42.4	42.6	42.8	43.0	43.2	43.4	43.8	44.3	44.8	45.3	45.8	46.2	46.7	47.1
300	42.2	42.4	42.6	43.0	43.1	43.2	43.6	44.1	44.6	45.1	45.6	46.0	46.4	46.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 135. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	48.2	48.7	49.2	49.7	50.2	50.7	51.5	52.4	53.3	54.1	55.0	55.8	56.6	57.3
50	49.0	49.4	49.8	50.2	50.6	51.0	51.7	52.5	53.3	54.2	54.9	55.7	56.5	57.2
60	48.7	49.2	49.7	50.2	50.7	51.2	52.0	52.9	53.8	54.6	55.5	56.3	57.1	57.8
70	48.3	48.7	49.1	49.5	49.9	50.3	51.1	51.9	52.8	53.6	54.5	55.2	56.0	56.8
80	48.0	48.3	48.6	48.9	49.2	49.5	50.2	51.0	51.8	52.6	53.4	54.2	54.9	55.7
90	47.4	47.7	48.0	48.3	48.6	48.9	49.6	50.3	51.1	51.9	52.6	53.4	54.1	54.8
100	46.9	47.2	47.5	47.8	48.1	48.4	49.0	49.7	50.5	51.3	52.0	52.7	53.4	54.1
110	46.4	46.7	47.0	47.3	47.6	47.9	48.5	49.3	50.0	50.7	51.5	52.2	52.9	53.5
120	46.0	46.3	46.6	46.9	47.2	47.5	48.1	48.8	49.6	50.3	51.0	51.7	52.4	53.0
130	45.6	46.3	46.5	46.7	46.9	47.1	47.7	48.4	49.1	49.8	50.5	51.2	51.9	52.5
140	45.3	45.6	45.9	46.2	46.5	46.8	47.3	48.0	48.7	49.4	50.1	50.8	51.4	52.1
150	45.0	45.6	45.8	46.0	46.2	46.4	47.0	47.7	48.4	49.0	49.7	50.4	51.0	51.6
160	44.6	44.9	45.2	45.5	45.8	46.1	46.6	47.3	48.0	48.7	49.3	50.0	50.6	51.2
170	44.3	44.6	44.9	45.2	45.5	45.8	46.3	47.0	47.6	48.3	48.9	49.6	50.2	50.8
180	44.0	44.3	44.6	44.9	45.2	45.5	46.0	46.6	47.3	47.9	48.6	49.2	49.8	50.4
190	44.0	44.2	44.6	44.8	45.0	45.2	45.7	46.3	47.0	47.6	48.2	48.8	49.4	50.0
200	43.9	44.1	44.3	44.5	44.7	44.9	45.4	46.0	46.7	47.3	47.9	48.5	49.0	49.6
210	43.6	43.8	44.0	44.2	44.4	44.6	45.1	45.7	46.4	47.0	47.5	48.1	48.7	49.2
220	43.4	43.6	43.8	44.0	44.2	44.4	44.9	45.5	46.1	46.7	47.2	47.8	48.3	48.9
230	43.4	43.6	43.8	43.9	44.0	44.1	44.6	45.2	45.8	46.4	46.9	47.5	48.0	48.5
240	42.9	43.1	43.3	43.5	43.7	43.9	44.4	44.9	45.5	46.1	46.6	47.1	47.7	48.2
250	42.7	42.9	43.1	43.3	43.5	43.7	44.1	44.7	45.2	45.8	46.3	46.8	47.4	47.9
260	42.7	42.9	43.1	43.2	43.3	43.4	43.9	44.4	45.0	45.5	46.1	46.6	47.0	47.5
270	42.7	42.8	42.9	43.0	43.1	43.2	43.7	44.2	44.8	45.3	45.8	46.3	46.8	47.2
280	42.5	42.6	42.7	42.8	42.9	43.0	43.5	44.0	44.5	45.0	45.5	46.0	46.5	46.9
290	42.3	42.4	42.5	42.6	42.7	42.8	43.3	43.8	44.3	44.8	45.3	45.8	46.2	46.7
300	41.7	41.9	42.1	42.3	42.5	42.7	43.1	43.6	44.1	44.6	45.1	45.5	46.0	46.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 136. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 medium trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	69.2	70.1	71.0	71.9	72.8	73.7	74.9	76.2	77.4	78.5	79.6	80.6	81.6	82.5
20	64.5	65.3	66.1	66.9	67.7	68.5	69.6	70.8	71.9	73.0	74.0	75.0	75.9	76.8
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	47.5	48.0	48.5	49.0	49.5	50.0	50.8	51.7	52.6	53.5	54.3	55.2	56.0	56.7
50	48.3	48.7	49.1	49.5	49.9	50.3	51.0	51.8	52.7	53.5	54.3	55.0	55.8	56.5
60	48.9	49.3	49.7	50.1	50.5	50.9	51.7	52.5	53.3	54.2	55.0	55.8	56.5	57.2
70	47.8	48.2	48.6	49.0	49.4	49.8	50.5	51.4	52.2	53.1	53.9	54.7	55.4	56.2
80	47.0	47.4	47.8	48.2	48.6	49.0	49.7	50.5	51.3	52.1	52.9	53.6	54.4	55.1
90	46.8	47.1	47.4	47.7	48.0	48.3	49.0	49.7	50.5	51.3	52.0	52.8	53.5	54.2
100	46.3	46.6	46.9	47.2	47.5	47.8	48.4	49.1	49.9	50.6	51.4	52.1	52.8	53.5
110	45.8	46.1	46.4	46.7	47.0	47.3	47.9	48.6	49.4	50.1	50.8	51.5	52.2	52.9
120	45.5	46.1	46.3	46.5	46.7	46.9	47.5	48.2	48.9	49.7	50.4	51.0	51.7	52.4
130	45.1	45.4	45.7	46.0	46.3	46.6	47.1	47.8	48.5	49.2	49.9	50.6	51.3	51.9
140	44.7	45.0	45.3	45.6	45.9	46.2	46.8	47.4	48.1	48.8	49.5	50.2	50.8	51.5
150	44.4	44.7	45.0	45.3	45.6	45.9	46.4	47.1	47.8	48.4	49.1	49.8	50.4	51.0
160	44.3	44.7	44.9	45.1	45.3	45.5	46.1	46.7	47.4	48.1	48.7	49.4	50.0	50.6
170	44.2	44.4	44.6	44.8	45.0	45.2	45.8	46.4	47.1	47.7	48.4	49.0	49.6	50.2
180	43.9	44.1	44.3	44.5	44.7	44.9	45.5	46.1	46.7	47.4	48.0	48.6	49.2	49.8
190	43.6	43.8	44.0	44.2	44.4	44.6	45.2	45.8	46.4	47.1	47.7	48.3	48.9	49.4
200	43.4	43.6	43.8	44.0	44.2	44.4	44.9	45.5	46.1	46.7	47.3	47.9	48.5	49.1
210	43.1	43.3	43.5	43.7	43.9	44.1	44.6	45.2	45.8	46.4	47.0	47.6	48.2	48.7
220	42.9	43.1	43.3	43.5	43.7	43.9	44.3	44.9	45.5	46.1	46.7	47.3	47.8	48.4
230	42.6	42.8	43.0	43.2	43.4	43.6	44.1	44.7	45.3	45.8	46.4	47.0	47.5	48.0
240	42.4	42.6	42.8	43.0	43.2	43.4	43.8	44.4	45.0	45.6	46.1	46.7	47.2	47.7
250	42.2	42.4	42.6	42.8	43.0	43.2	43.6	44.2	44.7	45.3	45.8	46.4	46.9	47.4
260	42.2	42.4	42.6	42.7	42.8	42.9	43.4	43.9	44.5	45.0	45.6	46.1	46.6	47.1
270	42.2	42.3	42.4	42.5	42.6	42.7	43.2	43.7	44.3	44.8	45.3	45.8	46.3	46.8
280	42.0	42.1	42.2	42.3	42.4	42.5	43.0	43.5	44.0	44.6	45.1	45.5	46.0	46.5
290	41.8	41.9	42.0	42.1	42.2	42.3	42.8	43.3	43.8	44.3	44.8	45.3	45.7	46.2
300	41.6	41.7	41.8	41.9	42.0	42.1	42.6	43.1	43.6	44.1	44.6	45.0	45.5	45.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 137. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	64.4	65.0	65.6	66.2	66.8	67.4	68.0	68.8	69.7	70.7	71.7	72.8	73.8	74.8
50	65.1	65.5	65.9	66.6	66.7	67.1	67.5	68.3	69.1	70.1	71.0	72.0	72.9	73.9
60	64.7	65.1	65.5	65.9	66.3	66.7	67.1	67.8	68.6	69.5	70.4	71.2	72.1	73.0
70	63.9	64.4	64.9	65.4	65.9	66.4	66.9	67.6	68.4	69.3	70.2	71.1	72.0	72.9
80	63.6	64.1	64.6	65.1	65.6	66.1	66.6	67.4	68.2	69.1	70.0	71.0	71.9	72.8
90	63.4	63.9	64.4	64.9	65.4	65.9	66.4	67.2	68.1	69.0	69.9	70.9	71.8	72.8
100	62.5	63.1	63.7	64.3	64.9	65.5	66.1	66.9	67.8	68.7	69.7	70.7	71.7	72.6
110	62.5	63.1	63.6	64.3	64.8	65.3	65.8	66.6	67.5	68.5	69.5	70.5	71.5	72.5
120	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.4	67.3	68.3	69.3	70.3	71.3	72.3
130	61.7	62.3	62.9	63.5	64.1	64.7	65.3	66.1	67.1	68.1	69.1	70.1	71.2	72.2
140	61.4	62.0	62.6	63.2	63.8	64.4	65.0	65.9	66.8	67.9	68.9	69.9	71.0	72.0
150	61.2	61.8	62.4	63.0	63.6	64.2	64.8	65.6	66.6	67.6	68.7	69.7	70.8	71.8
160	60.9	61.5	62.1	62.7	63.3	63.9	64.5	65.4	66.4	67.4	68.5	69.5	70.6	71.6
170	60.7	61.3	61.9	62.5	63.1	63.7	64.3	65.1	66.1	67.2	68.2	69.3	70.3	71.4
180	60.4	61.0	61.6	62.2	62.8	63.4	64.0	64.9	65.9	67.0	68.0	69.1	70.1	71.1
190	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.7	65.7	66.7	67.8	68.9	69.9	70.9
200	60.0	60.6	61.2	61.8	62.4	63.0	63.6	64.5	65.5	66.5	67.6	68.7	69.7	70.7
210	59.2	59.9	60.6	61.3	62.0	62.7	63.4	64.3	65.3	66.3	67.4	68.4	69.5	70.5
220	59.0	59.7	60.4	61.1	61.8	62.5	63.2	64.0	65.0	66.1	67.2	68.2	69.3	70.3
230	58.9	59.7	60.4	61.1	61.7	62.3	62.9	63.8	64.8	65.9	67.0	68.0	69.1	70.1
240	58.9	59.6	60.3	60.9	61.5	62.1	62.7	63.6	64.6	65.7	66.8	67.8	68.9	69.9
250	58.9	59.5	60.1	60.7	61.3	61.9	62.5	63.4	64.4	65.5	66.5	67.6	68.7	69.7
260	58.7	59.3	59.9	60.5	61.1	61.7	62.3	63.2	64.2	65.3	66.3	67.4	68.5	69.5
270	58.5	59.1	59.7	60.3	60.9	61.5	62.1	63.0	64.0	65.1	66.2	67.2	68.3	69.3
280	57.8	58.5	59.2	59.9	60.6	61.3	62.0	62.8	63.8	64.9	66.0	67.0	68.1	69.1
290	57.6	58.3	59.2	59.9	60.6	61.2	61.8	62.7	63.7	64.7	65.8	66.8	67.9	68.9
300	57.4	58.1	59.2	59.8	60.4	61.0	61.6	62.5	63.5	64.5	65.6	66.6	67.7	68.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 138. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	62.8	63.2	63.6	64.0	64.4	64.8	65.2	65.8	66.6	67.4	68.3	69.2	70.1	71.0
50	63.2	63.5	63.8	64.1	64.4	64.7	65.0	65.7	66.4	67.3	68.1	69.0	69.9	70.8
60	62.9	63.2	63.5	63.8	64.1	64.4	64.7	65.3	66.0	66.8	67.6	68.5	69.3	70.2
70	62.6	62.9	63.2	63.5	63.8	64.1	64.4	65.0	65.7	66.5	67.3	68.1	68.9	69.7
80	61.8	62.2	62.6	63.0	63.4	63.8	64.2	64.8	65.5	66.3	67.1	67.9	68.7	69.6
90	61.6	62.0	62.4	62.8	63.2	63.6	64.0	64.6	65.4	66.2	67.0	67.8	68.7	69.5
100	61.3	61.7	62.1	62.5	62.9	63.3	63.7	64.4	65.2	66.0	66.9	67.7	68.6	69.5
110	61.1	61.5	61.9	62.3	62.7	63.1	63.5	64.2	65.0	65.9	66.7	67.6	68.5	69.4
120	60.3	60.8	61.3	61.8	62.3	62.8	63.3	64.0	64.8	65.7	66.6	67.5	68.4	69.3
130	60.0	60.6	61.1	61.8	62.2	62.6	63.0	63.8	64.6	65.5	66.4	67.3	68.3	69.2
140	59.8	60.3	60.8	61.3	61.8	62.3	62.8	63.5	64.4	65.3	66.2	67.2	68.1	69.0
150	59.6	60.1	60.6	61.1	61.6	62.1	62.6	63.3	64.2	65.1	66.0	67.0	67.9	68.9
160	59.4	59.9	60.4	61.1	61.5	61.9	62.3	63.1	64.0	64.9	65.8	66.8	67.7	68.7
170	59.1	59.6	60.1	60.6	61.1	61.6	62.1	62.9	63.7	64.7	65.6	66.6	67.5	68.5
180	58.9	59.4	59.9	60.4	60.9	61.4	61.9	62.7	63.5	64.5	65.4	66.4	67.3	68.3
190	58.7	59.2	59.7	60.2	60.7	61.2	61.7	62.4	63.3	64.3	65.2	66.2	67.1	68.1
200	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.2	63.1	64.1	65.0	66.0	66.9	67.9
210	58.3	58.8	59.3	59.8	60.3	60.8	61.3	62.0	62.9	63.9	64.8	65.8	66.7	67.7
220	58.1	58.6	59.1	59.6	60.1	60.6	61.1	61.8	62.7	63.7	64.6	65.6	66.6	67.5
230	57.9	58.4	58.9	59.4	59.9	60.4	60.9	61.6	62.5	63.5	64.4	65.4	66.4	67.3
240	57.6	58.1	58.6	59.1	59.6	60.1	60.6	61.4	62.2	63.2	64.1	65.1	66.1	67.0
250	57.4	57.9	58.4	58.9	59.4	59.9	60.4	61.2	62.0	63.0	63.9	64.9	65.8	66.8
260	57.2	57.7	58.2	58.7	59.2	59.7	60.2	61.0	61.9	62.8	63.7	64.7	65.7	66.6
270	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.8	61.7	62.6	63.6	64.5	65.5	66.5
280	56.9	57.4	57.9	58.4	58.9	59.4	59.9	60.6	61.5	62.4	63.4	64.4	65.3	66.3
290	56.7	57.2	57.7	58.2	58.7	59.2	59.7	60.4	61.3	62.3	63.2	64.2	65.1	66.1
300	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.3	61.2	62.1	63.0	64.0	65.0	65.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 139. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	62.2	62.4	62.6	62.8	63.0	63.2	63.4	64.0	64.7	65.4	66.2	67.0	67.8	68.6
50	61.5	61.8	62.1	62.4	62.7	63.0	63.3	63.8	64.5	65.3	66.0	66.8	67.7	68.5
60	61.3	61.6	61.9	62.2	62.5	62.8	63.1	63.6	64.3	65.0	65.8	66.6	67.4	68.3
70	61.0	61.3	61.6	61.9	62.2	62.5	62.8	63.3	63.9	64.6	65.4	66.1	66.9	67.6
80	60.7	61.0	61.3	61.6	61.9	62.2	62.5	63.0	63.6	64.3	65.0	65.7	66.5	67.2
90	60.5	60.8	61.1	61.4	61.7	62.0	62.3	62.8	63.4	64.1	64.8	65.5	66.3	67.0
100	60.3	60.6	60.9	61.4	61.6	61.8	62.0	62.6	63.2	64.0	64.7	65.4	66.2	67.0
110	60.0	60.3	60.6	60.9	61.2	61.5	61.8	62.4	63.1	63.8	64.5	65.3	66.1	66.9
120	59.8	60.1	60.4	60.7	61.0	61.3	61.6	62.2	62.9	63.6	64.4	65.2	66.0	66.8
130	59.0	59.4	59.8	60.2	60.6	61.0	61.4	62.0	62.7	63.5	64.3	65.1	65.9	66.7
140	58.8	59.2	59.6	60.0	60.4	60.8	61.2	61.8	62.5	63.3	64.1	64.9	65.7	66.6
150	58.6	59.0	59.4	60.0	60.3	60.6	60.9	61.6	62.3	63.1	63.9	64.7	65.6	66.4
160	58.4	58.9	59.2	59.8	60.1	60.4	60.7	61.3	62.1	62.9	63.7	64.6	65.4	66.3
170	58.1	58.5	58.9	59.3	59.7	60.1	60.5	61.1	61.9	62.7	63.5	64.4	65.2	66.1
180	57.9	58.3	58.7	59.1	59.5	59.9	60.3	60.9	61.7	62.5	63.3	64.2	65.1	65.9
190	57.7	58.1	58.5	58.9	59.3	59.7	60.1	60.7	61.5	62.3	63.1	64.0	64.9	65.7
200	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.5	61.3	62.1	62.9	63.8	64.7	65.6
210	57.3	57.7	58.1	58.5	58.9	59.3	59.7	60.3	61.1	61.9	62.8	63.6	64.5	65.4
220	57.1	57.5	57.9	58.3	58.7	59.1	59.5	60.1	60.9	61.7	62.6	63.4	64.3	65.2
230	56.9	57.3	57.7	58.1	58.5	58.9	59.3	59.9	60.7	61.5	62.4	63.2	64.1	65.0
240	56.7	57.1	57.5	57.9	58.3	58.7	59.1	59.7	60.5	61.3	62.2	63.0	63.9	64.8
250	56.5	56.9	57.3	57.7	58.1	58.5	58.9	59.5	60.3	61.1	62.0	62.9	63.7	64.6
260	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.4	60.1	60.9	61.8	62.7	63.5	64.4
270	56.2	56.5	57.0	57.4	57.9	58.2	58.5	59.2	59.9	60.8	61.6	62.5	63.4	64.2
280	56.0	56.4	56.8	57.2	57.6	58.0	58.4	59.0	59.8	60.6	61.4	62.3	63.2	64.1
290	55.8	56.2	56.6	57.0	57.4	57.8	58.2	58.8	59.6	60.4	61.3	62.1	63.0	63.9
300	55.6	56.0	56.4	56.8	57.2	57.6	58.0	58.7	59.4	60.2	61.1	61.9	62.8	63.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 140. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	61.1	61.3	61.5	61.7	61.9	62.1	62.3	62.8	63.4	64.1	64.8	65.5	66.2	67.0
50	60.7	60.9	61.1	61.3	61.5	61.7	61.9	62.4	63.0	63.7	64.4	65.2	66.0	66.8
60	60.0	60.3	60.6	60.9	61.2	61.5	61.8	62.3	62.9	63.6	64.3	65.1	65.9	66.7
70	60.3	60.5	60.7	60.9	61.1	61.3	61.5	62.0	62.6	63.2	63.9	64.6	65.4	66.1
80	60.1	60.3	60.5	60.7	60.9	61.1	61.3	61.7	62.3	62.9	63.6	64.2	64.9	65.6
90	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.5	62.0	62.6	63.3	63.9	64.6	65.3
100	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.2	61.8	62.4	63.1	63.7	64.4	65.1
110	58.8	59.1	59.4	59.7	60.0	60.3	60.6	61.0	61.6	62.2	62.9	63.6	64.2	64.9
120	58.6	58.9	59.2	59.7	59.9	60.1	60.3	60.8	61.4	62.1	62.7	63.4	64.1	64.8
130	58.4	58.7	59.0	59.5	59.7	59.9	60.1	60.6	61.2	61.9	62.6	63.3	64.0	64.7
140	58.1	58.4	58.7	59.0	59.3	59.6	59.9	60.4	61.0	61.7	62.4	63.1	63.8	64.6
150	57.9	58.2	58.5	58.8	59.1	59.4	59.7	60.2	60.8	61.5	62.2	62.9	63.7	64.4
160	57.7	58.0	58.3	58.6	58.9	59.2	59.5	60.0	60.6	61.3	62.0	62.8	63.5	64.3
170	57.7	58.0	58.3	58.6	58.8	59.0	59.2	59.8	60.4	61.1	61.9	62.6	63.4	64.1
180	57.2	57.5	57.8	58.1	58.4	58.7	59.0	59.6	60.2	60.9	61.7	62.4	63.2	64.0
190	57.0	57.3	57.6	57.9	58.2	58.5	58.8	59.4	60.0	60.7	61.5	62.2	63.0	63.8
200	56.8	57.1	57.4	57.7	58.0	58.3	58.6	59.2	59.8	60.5	61.3	62.1	62.8	63.6
210	56.6	56.9	57.2	57.5	57.8	58.1	58.4	59.0	59.6	60.4	61.1	61.9	62.6	63.4
220	56.4	56.7	57.0	57.3	57.6	57.9	58.2	58.8	59.4	60.2	60.9	61.7	62.5	63.3
230	56.2	56.5	56.8	57.1	57.4	57.7	58.0	58.6	59.3	60.0	60.7	61.5	62.3	63.1
240	56.1	56.4	56.7	57.0	57.3	57.6	57.9	58.4	59.1	59.8	60.5	61.3	62.1	62.9
250	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58.2	58.9	59.6	60.4	61.1	61.9	62.7
260	55.7	56.0	56.3	56.6	56.9	57.2	57.5	58.0	58.7	59.4	60.2	60.9	61.7	62.5
270	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.9	58.5	59.3	60.0	60.8	61.5	62.3
280	55.4	55.7	56.0	56.3	56.7	56.9	57.1	57.7	58.4	59.1	59.8	60.6	61.4	62.2
290	55.2	55.5	55.8	56.1	56.4	56.7	57.0	57.5	58.2	58.9	59.7	60.4	61.2	62.0
300	55.0	55.3	55.6	55.9	56.2	56.5	56.8	57.4	58.0	58.7	59.5	60.2	61.0	61.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 141. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.7	62.2	62.8	63.5	64.2	64.8	65.6
50	59.1	59.4	59.7	60.0	60.3	60.6	60.9	61.3	61.9	62.6	63.3	64.0	64.7	65.5
60	59.4	59.6	59.8	60.0	60.2	60.4	60.6	61.0	61.6	62.3	63.0	63.7	64.5	65.2
70	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.8	61.4	62.0	62.7	63.4	64.1	64.9
80	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.6	61.2	61.8	62.4	63.1	63.8	64.5
90	58.9	59.0	59.2	59.6	59.7	59.8	59.9	60.4	60.9	61.5	62.1	62.7	63.4	64.0
100	58.5	58.7	58.9	59.1	59.3	59.5	59.7	60.1	60.6	61.2	61.8	62.4	63.0	63.7
110	58.3	58.5	58.7	59.1	59.2	59.3	59.4	59.9	60.4	60.9	61.5	62.1	62.7	63.4
120	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.6	60.1	60.7	61.3	61.9	62.5	63.2
130	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.4	59.9	60.5	61.1	61.7	62.4	63.0
140	57.5	57.7	57.9	58.1	58.3	58.5	58.7	59.2	59.7	60.3	60.9	61.6	62.2	62.9
150	57.3	57.5	57.7	57.9	58.1	58.3	58.5	59.0	59.5	60.1	60.7	61.4	62.0	62.7
160	57.1	57.3	57.5	57.7	57.9	58.1	58.3	58.7	59.3	59.9	60.6	61.2	61.9	62.6
170	56.9	57.1	57.3	57.5	57.7	57.9	58.1	58.5	59.1	59.7	60.4	61.0	61.7	62.4
180	56.1	56.4	56.7	57.0	57.3	57.6	57.9	58.3	58.9	59.5	60.2	60.9	61.5	62.3
190	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58.1	58.7	59.4	60.0	60.7	61.4	62.1
200	55.7	56.0	56.3	56.6	56.9	57.2	57.5	57.9	58.5	59.2	59.8	60.5	61.2	61.9
210	55.5	55.8	56.1	56.4	56.7	57.0	57.3	57.8	58.3	59.0	59.7	60.3	61.0	61.8
220	55.3	55.6	55.9	56.2	56.5	56.8	57.1	57.6	58.2	58.8	59.5	60.2	60.9	61.6
230	55.3	55.6	55.9	56.2	56.5	56.7	56.9	57.4	58.0	58.6	59.3	60.0	60.7	61.4
240	55.3	55.6	55.9	56.1	56.3	56.5	56.7	57.2	57.8	58.4	59.1	59.8	60.5	61.2
250	55.3	55.5	55.7	55.9	56.1	56.3	56.5	57.0	57.6	58.3	58.9	59.6	60.3	61.1
260	54.6	54.9	55.2	55.5	55.8	56.1	56.4	56.8	57.4	58.1	58.8	59.4	60.2	60.9
270	54.4	54.7	55.0	55.3	55.6	55.9	56.2	56.7	57.3	57.9	58.6	59.3	60.0	60.7
280	54.3	54.5	54.9	55.1	55.6	55.8	56.0	56.5	57.1	57.7	58.4	59.1	59.8	60.5
290	54.1	54.4	54.7	54.9	55.4	55.6	55.8	56.3	56.9	57.6	58.2	58.9	59.6	60.4
300	53.9	54.2	54.5	54.8	55.1	55.4	55.7	56.2	56.8	57.4	58.1	58.8	59.5	60.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 142. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.7	61.3	61.9	62.6	63.3	64.0	64.8
50	58.7	58.9	59.1	59.3	59.5	59.7	59.9	60.4	60.9	61.6	62.2	62.9	63.6	64.4
60	58.4	58.6	58.8	59.0	59.2	59.4	59.6	60.0	60.6	61.2	61.9	62.6	63.3	64.1
70	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.8	60.4	61.0	61.7	62.4	63.1	63.9
80	57.9	58.1	58.3	58.5	58.7	58.9	59.1	59.6	60.1	60.7	61.3	62.0	62.7	63.4
90	57.7	57.9	58.1	58.3	58.5	58.7	58.9	59.3	59.8	60.4	61.0	61.6	62.2	62.9
100	57.4	57.6	57.8	58.0	58.2	58.4	58.6	59.0	59.5	60.0	60.6	61.2	61.8	62.4
110	57.2	57.4	57.7	58.0	58.1	58.2	58.3	58.7	59.2	59.7	60.3	60.9	61.5	62.1
120	56.9	57.1	57.3	57.5	57.7	57.9	58.1	58.5	59.0	59.5	60.0	60.6	61.2	61.8
130	56.7	56.9	57.0	57.3	57.6	57.7	57.8	58.2	58.7	59.3	59.8	60.4	61.0	61.6
140	56.4	56.6	56.8	57.0	57.2	57.4	57.6	58.0	58.5	59.0	59.6	60.2	60.8	61.4
150	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.8	58.3	58.8	59.4	60.0	60.6	61.2
160	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.6	58.1	58.7	59.2	59.8	60.4	61.1
170	55.8	56.0	56.3	56.6	56.7	56.8	56.9	57.4	57.9	58.5	59.1	59.7	60.3	60.9
180	55.5	55.7	55.9	56.1	56.3	56.5	56.7	57.2	57.7	58.3	58.9	59.5	60.1	60.8
190	55.3	55.5	55.7	55.9	56.1	56.3	56.5	57.0	57.5	58.1	58.7	59.3	60.0	60.6
200	55.1	55.3	55.5	55.7	55.9	56.1	56.3	56.8	57.3	57.9	58.5	59.2	59.8	60.5
210	54.9	55.1	55.3	55.5	55.7	55.9	56.1	56.6	57.1	57.7	58.3	59.0	59.6	60.3
220	54.7	54.9	55.1	55.3	55.5	55.7	55.9	56.4	56.9	57.5	58.2	58.8	59.5	60.1
230	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.2	56.8	57.4	58.0	58.6	59.3	60.0
240	54.4	54.6	54.8	55.0	55.2	55.4	55.6	56.0	56.6	57.2	57.8	58.5	59.1	59.8
250	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.8	56.4	57.0	57.6	58.3	59.0	59.6
260	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.7	56.2	56.8	57.5	58.1	58.8	59.5
270	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.5	56.1	56.7	57.3	57.9	58.6	59.3
280	53.1	53.4	53.9	54.2	54.5	54.7	54.9	55.3	55.9	56.5	57.1	57.8	58.4	59.1
290	52.9	53.3	53.8	54.1	54.3	54.5	54.7	55.2	55.7	56.3	57.0	57.6	58.3	59.0
300	52.8	53.1	53.4	53.7	54.0	54.3	54.6	55.0	55.6	56.2	56.8	57.4	58.1	58.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 143. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	57.9	58.1	58.3	58.5	58.7	58.9	59.1	59.5	60.1	60.8	61.4	62.1	62.9	63.6
50	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.4	60.0	60.6	61.2	61.9	62.6	63.3
60	57.8	58.0	58.2	58.3	58.4	58.5	58.6	59.1	59.6	60.3	60.9	61.6	62.3	63.0
70	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.8	59.4	60.0	60.6	61.3	62.0	62.7
80	56.9	57.1	57.3	57.5	57.7	57.9	58.1	58.5	59.1	59.6	60.3	60.9	61.6	62.3
90	56.9	57.1	57.3	57.5	57.6	57.7	57.8	58.2	58.7	59.3	59.9	60.5	61.2	61.9
100	56.9	57.0	57.1	57.2	57.3	57.4	57.5	57.9	58.4	59.0	59.5	60.1	60.8	61.4
110	56.1	56.3	56.5	56.7	56.9	57.1	57.3	57.6	58.1	58.6	59.2	59.8	60.4	61.0
120	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.4	57.8	58.4	58.9	59.4	60.0	60.6
130	55.6	55.8	56.0	56.4	56.5	56.6	56.7	57.1	57.6	58.1	58.6	59.2	59.7	60.3
140	55.3	55.5	55.7	55.9	56.1	56.3	56.5	56.9	57.3	57.9	58.4	58.9	59.5	60.1
150	55.1	55.3	55.5	55.9	56.0	56.1	56.2	56.6	57.1	57.6	58.2	58.7	59.3	59.9
160	54.9	55.1	55.3	55.7	55.8	55.9	56.0	56.4	56.9	57.4	58.0	58.5	59.1	59.7
170	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.2	56.7	57.2	57.8	58.4	58.9	59.5
180	54.4	54.6	54.8	55.0	55.2	55.4	55.6	56.0	56.5	57.0	57.6	58.2	58.8	59.4
190	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.8	56.3	56.9	57.4	58.0	58.6	59.2
200	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.6	56.1	56.7	57.2	57.8	58.4	59.1
210	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.4	55.9	56.5	57.1	57.7	58.3	58.9
220	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.2	55.7	56.3	56.9	57.5	58.1	58.8
230	53.4	53.6	53.8	54.0	54.2	54.4	54.6	55.0	55.6	56.1	56.7	57.3	58.0	58.6
240	53.2	53.5	53.6	53.9	54.2	54.3	54.4	54.9	55.4	56.0	56.5	57.2	57.8	58.4
250	53.1	53.3	53.5	53.7	53.9	54.1	54.3	54.7	55.2	55.8	56.4	57.0	57.6	58.3
260	52.9	53.1	53.3	53.5	53.7	53.9	54.1	54.5	55.0	55.6	56.2	56.8	57.5	58.1
270	52.7	52.9	53.1	53.3	53.5	53.7	53.9	54.3	54.9	55.4	56.0	56.7	57.3	57.9
280	52.5	52.8	53.0	53.1	53.5	53.6	53.7	54.2	54.7	55.3	55.9	56.5	57.1	57.8
290	52.4	52.6	52.8	53.0	53.2	53.4	53.6	54.0	54.5	55.1	55.7	56.3	57.0	57.6
300	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.8	54.4	54.9	55.5	56.2	56.8	57.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 144. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	56.9	57.1	57.3	57.5	57.7	57.9	58.1	58.6	59.1	59.7	60.4	61.1	61.8	62.5
50	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.6	59.2	59.8	60.4	61.1	61.8	62.5
60	56.7	56.9	57.1	57.3	57.5	57.7	57.9	58.3	58.8	59.4	60.1	60.7	61.4	62.1
70	56.4	56.6	56.8	57.0	57.2	57.4	57.6	58.0	58.6	59.2	59.8	60.5	61.2	61.9
80	56.1	56.3	56.5	56.7	56.9	57.1	57.3	57.7	58.2	58.8	59.5	60.1	60.8	61.5
90	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.4	57.9	58.5	59.1	59.7	60.4	61.1
100	55.5	55.7	55.9	56.1	56.3	56.5	56.7	57.1	57.6	58.1	58.7	59.3	60.0	60.7
110	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.7	57.2	57.8	58.3	58.9	59.5	60.2
120	54.9	55.1	55.3	55.5	55.7	55.9	56.1	56.4	56.9	57.4	58.0	58.5	59.1	59.7
130	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.1	56.6	57.1	57.6	58.2	58.8	59.3
140	54.3	54.6	54.9	55.0	55.3	55.4	55.5	55.9	56.3	56.8	57.4	57.9	58.5	59.0
150	54.1	54.3	54.5	54.7	54.9	55.1	55.3	55.6	56.1	56.6	57.1	57.7	58.2	58.8
160	53.9	54.1	54.3	54.7	54.8	54.9	55.0	55.4	55.9	56.4	56.9	57.4	58.0	58.6
170	53.7	53.9	54.1	54.5	54.6	54.7	54.8	55.2	55.7	56.2	56.7	57.2	57.8	58.4
180	53.4	53.6	53.8	54.0	54.2	54.4	54.6	55.0	55.5	56.0	56.5	57.1	57.6	58.2
190	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.8	55.3	55.8	56.3	56.9	57.5	58.0
200	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.6	55.1	55.6	56.1	56.7	57.3	57.9
210	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.4	54.9	55.4	56.0	56.5	57.1	57.7
220	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.2	54.7	55.2	55.8	56.4	57.0	57.6
230	54.4	52.6	52.9	53.1	53.4	53.5	53.6	54.0	54.5	55.1	55.6	56.2	56.8	57.4
240	52.2	52.4	52.7	52.9	53.2	53.3	53.4	53.8	54.3	54.9	55.5	56.0	56.6	57.3
250	52.1	52.3	52.5	52.7	52.9	53.1	53.3	53.7	54.2	54.7	55.3	55.9	56.5	57.1
260	51.9	52.1	52.3	52.5	52.7	52.9	53.1	53.5	54.0	54.5	55.1	55.7	56.3	57.0
270	51.7	51.9	52.1	52.3	52.5	52.7	52.9	53.3	53.8	54.4	55.0	55.5	56.2	56.8
280	51.6	51.8	52.0	52.1	52.5	52.6	52.7	53.1	53.7	54.2	54.8	55.4	56.0	56.6
290	51.4	51.6	51.8	52.0	52.2	52.4	52.6	53.0	53.5	54.1	54.6	55.2	55.8	56.5
300	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.8	53.3	53.9	54.5	55.1	55.7	56.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 145. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	78.8	79.2	79.6	80.0	80.4	80.8	81.7	82.8	84.0	85.2	86.4	87.5	88.7	89.7
20	75.9	76.3	76.7	77.1	77.5	77.9	78.7	79.8	81.0	82.2	83.4	84.5	85.6	86.7
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	55.7	56.0	56.3	56.6	56.9	57.2	57.5	57.9	58.5	59.1	59.8	60.5	61.3	62.0
50	56.3	56.5	56.7	56.9	57.1	57.3	57.5	57.9	58.4	59.0	59.6	60.3	61.0	61.7
60	56.5	56.6	56.7	56.8	56.9	57.0	57.1	57.6	58.1	58.7	59.3	60.0	60.6	61.4
70	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.2	57.7	58.3	58.9	59.6	60.2	60.9
80	55.3	55.5	55.7	55.9	56.1	56.3	56.5	56.9	57.4	58.0	58.6	59.3	60.0	60.7
90	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.6	57.1	57.7	58.3	58.9	59.6	60.3
100	54.7	54.9	55.1	55.3	55.5	55.7	55.9	56.3	56.8	57.3	57.9	58.5	59.2	59.8
110	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.9	56.4	56.9	57.5	58.1	58.7	59.3
120	54.1	54.3	54.5	54.7	54.9	55.1	55.3	55.6	56.1	56.6	57.1	57.7	58.3	58.9
130	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.3	55.8	56.3	56.8	57.3	57.9	58.5
140	53.6	53.8	54.0	54.4	54.5	54.6	54.7	55.1	55.5	56.0	56.5	57.0	57.6	58.1
150	53.3	53.5	53.7	53.9	54.1	54.3	54.5	54.8	55.3	55.7	56.2	56.8	57.3	57.9
160	53.1	53.3	53.5	53.9	54.0	54.1	54.2	54.6	55.0	55.5	56.0	56.5	57.1	57.6
170	52.9	53.1	53.3	53.7	53.8	53.9	54.0	54.3	54.8	55.3	55.8	56.3	56.8	57.4
180	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.1	54.6	55.1	55.6	56.1	56.7	57.2
190	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.9	54.4	54.9	55.4	55.9	56.5	57.0
200	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.7	54.2	54.7	55.2	55.8	56.3	56.9
210	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.5	54.0	54.5	55.1	55.6	56.1	56.7
220	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.4	53.8	54.3	54.9	55.4	56.0	56.6
230	51.6	51.8	52.1	52.4	52.6	52.7	52.8	53.2	53.7	54.2	54.7	55.3	55.8	56.4
240	51.4	51.6	51.9	52.3	52.4	52.5	52.6	53.0	53.5	54.0	54.5	55.1	55.7	56.3
250	51.2	51.4	51.7	52.1	52.2	52.3	52.4	52.8	53.3	53.8	54.4	54.9	55.5	56.1
260	51.1	51.3	51.5	52.0	51.9	52.1	52.3	52.7	53.1	53.7	54.2	54.8	55.4	56.0
270	50.9	51.1	51.3	51.5	51.7	51.9	52.1	52.5	53.0	53.5	54.1	54.6	55.2	55.8
280	50.7	51.0	51.1	51.4	51.7	51.8	51.9	52.3	52.8	53.4	53.9	54.5	55.1	55.7
290	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.2	52.7	53.2	53.7	54.3	54.9	55.5
300	50.4	50.6	50.9	51.1	51.4	51.5	51.6	52.0	52.5	53.0	53.6	54.2	54.8	55.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 146. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	62.6	63.1	63.6	64.1	64.6	65.1	65.6	66.3	67.2	68.2	69.1	70.1	71.1	72.1
50	62.4	62.9	63.4	63.9	64.4	64.9	65.4	66.2	67.1	68.1	69.1	70.1	71.1	72.1
60	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.8	66.7	67.7	68.7	69.7	70.8	71.8
70	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.3	66.2	67.2	68.2	69.2	70.2	71.2
80	60.9	61.4	61.9	62.4	62.9	63.4	63.9	64.7	65.7	66.6	67.7	68.7	69.7	70.7
90	60.4	60.9	61.4	61.9	62.4	62.9	63.4	64.2	65.1	66.1	67.1	68.1	69.1	70.0
100	59.8	60.3	60.8	61.3	61.8	62.3	62.8	63.6	64.5	65.5	66.4	67.4	68.4	69.3
110	59.4	59.9	60.4	60.9	61.4	61.9	62.4	63.1	64.0	64.9	65.8	66.8	67.7	68.6
120	58.9	59.4	59.9	60.4	60.9	61.4	61.9	62.6	63.5	64.4	65.3	66.2	67.1	68.0
130	58.4	58.9	59.4	59.9	60.4	60.9	61.4	62.1	62.9	63.7	64.6	65.5	66.4	67.3
140	58.2	58.9	59.3	59.7	60.1	60.5	60.9	61.5	62.3	63.2	64.0	64.9	65.8	66.6
150	58.0	58.4	58.8	59.2	59.6	60.0	60.4	61.0	61.8	62.6	63.4	64.3	65.1	66.0
160	57.9	58.4	58.7	59.0	59.3	59.6	59.9	60.5	61.3	62.1	62.9	63.7	64.5	65.3
170	57.7	58.0	58.3	58.6	58.9	59.2	59.5	60.1	60.8	61.6	62.3	63.1	63.9	64.7
180	57.3	57.6	57.9	58.2	58.5	58.8	59.1	59.6	60.3	61.1	61.8	62.6	63.4	64.1
190	56.9	57.2	57.5	57.8	58.1	58.4	58.7	59.2	59.9	60.6	61.3	62.1	62.8	63.6
200	56.6	57.2	57.4	57.6	57.8	58.0	58.2	58.8	59.4	60.1	60.8	61.5	62.3	63.0
210	56.1	56.4	56.7	57.0	57.3	57.6	57.9	58.4	59.0	59.6	60.3	61.0	61.8	62.5
220	56.0	56.2	56.7	56.9	57.1	57.3	57.5	58.0	58.6	59.2	59.9	60.6	61.3	62.0
230	55.9	56.1	56.3	56.5	56.7	56.9	57.1	57.6	58.2	58.8	59.4	60.1	60.8	61.5
240	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.2	57.8	58.4	59.0	59.7	60.3	61.0
250	55.3	55.5	55.7	55.9	56.1	56.3	56.5	56.9	57.4	58.0	58.6	59.2	59.9	60.5
260	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.6	57.1	57.6	58.2	58.8	59.4	60.1
270	54.7	54.9	55.1	55.3	55.5	55.7	55.9	56.3	56.7	57.3	57.8	58.4	59.0	59.6
280	54.7	54.9	55.0	55.3	55.4	55.5	55.6	56.0	56.4	56.9	57.5	58.1	58.6	59.2
290	54.7	54.8	54.9	55.0	55.1	55.2	55.3	55.7	56.1	56.6	57.2	57.7	58.3	58.8
300	54.5	54.6	54.7	54.8	54.9	55.0	55.1	55.4	55.8	56.3	56.8	57.4	57.9	58.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 147. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	61.2	61.5	61.8	62.1	62.4	62.7	63.0	63.6	64.3	65.0	65.8	66.6	67.5	68.3
50	61.0	61.3	61.6	61.9	62.2	62.5	62.8	63.4	64.1	64.9	65.8	66.7	67.6	68.5
60	60.2	60.6	61.0	61.4	61.8	62.2	62.6	63.2	63.9	64.8	65.6	66.6	67.5	68.4
70	59.6	60.0	60.4	60.8	61.2	61.6	62.0	62.6	63.4	64.3	65.2	66.1	67.0	68.0
80	59.3	60.0	60.3	60.6	60.9	61.2	61.5	62.2	63.0	63.8	64.7	65.6	66.5	67.5
90	58.7	59.1	59.5	59.9	60.3	60.7	61.1	61.7	62.5	63.3	64.2	65.1	66.1	67.0
100	58.2	59.1	59.4	59.7	60.0	60.3	60.6	61.2	62.0	62.8	63.7	64.6	65.5	66.4
110	57.8	58.2	58.6	59.0	59.4	59.8	60.2	60.8	61.5	62.3	63.2	64.1	65.0	65.9
120	57.7	58.2	58.5	58.8	59.1	59.4	59.7	60.3	61.0	61.8	62.7	63.5	64.4	65.3
130	57.5	57.8	58.1	58.4	58.7	59.0	59.3	59.9	60.6	61.3	62.2	63.0	63.9	64.7
140	57.0	57.3	57.6	57.9	58.2	58.5	58.8	59.4	60.1	60.9	61.7	62.5	63.3	64.2
150	56.9	57.1	57.6	57.8	58.0	58.2	58.4	59.0	59.7	60.4	61.2	61.9	62.8	63.6
160	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.6	59.2	59.9	60.7	61.4	62.2	63.0
170	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58.2	58.8	59.5	60.2	61.0	61.7	62.5
180	55.9	56.1	56.5	56.7	56.9	57.1	57.3	57.8	58.4	59.1	59.8	60.5	61.3	62.0
190	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.4	58.0	58.7	59.3	60.0	60.8	61.5
200	55.8	55.9	56.2	56.3	56.4	56.5	56.6	57.1	57.7	58.3	58.9	59.6	60.3	61.0
210	55.7	55.8	55.9	56.0	56.1	56.2	56.3	56.8	57.3	57.9	58.5	59.2	59.9	60.6
220	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.4	56.9	57.5	58.1	58.7	59.4	60.0
230	54.5	54.7	54.9	55.1	55.3	55.5	55.7	56.1	56.6	57.1	57.7	58.3	59.0	59.6
240	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.7	56.2	56.8	57.3	57.9	58.6	59.2
250	54.2	54.4	54.5	54.8	54.9	55.0	55.1	55.5	55.9	56.4	57.0	57.6	58.2	58.8
260	54.2	54.3	54.4	54.5	54.6	54.7	54.8	55.2	55.6	56.1	56.6	57.2	57.8	58.4
270	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.9	55.3	55.8	56.3	56.8	57.4	58.0
280	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.6	55.0	55.5	56.0	56.5	57.0	57.6
290	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.4	54.8	55.2	55.7	56.2	56.7	57.2
300	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.1	54.5	54.9	55.4	55.9	56.4	56.9

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 148. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	60.4	60.6	60.8	61.0	61.2	61.4	61.6	62.1	62.7	63.3	64.0	64.7	65.5	66.3
50	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.7	62.3	63.0	63.8	64.6	65.4	66.2
60	59.1	59.4	59.7	60.0	60.3	60.6	60.9	61.4	62.1	62.8	63.6	64.4	65.3	66.2
70	59.0	59.4	59.6	59.8	60.0	60.2	60.4	61.0	61.6	62.4	63.2	64.0	64.8	65.7
80	58.2	58.5	58.8	59.1	59.4	59.7	60.0	60.5	61.2	61.9	62.7	63.5	64.4	65.3
90	57.7	58.5	58.7	58.9	59.1	59.3	59.5	60.1	60.7	61.5	62.2	63.1	63.9	64.8
100	57.3	57.6	57.9	58.2	58.5	58.8	59.1	59.6	60.3	61.0	61.8	62.6	63.4	64.3
110	57.2	57.6	57.8	58.0	58.2	58.4	58.6	59.2	59.8	60.5	61.3	62.0	62.9	63.7
120	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.7	59.3	60.0	60.7	61.5	62.3	63.1
130	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.2	58.9	59.5	60.2	61.0	61.8	62.6
140	55.6	55.9	56.2	56.5	56.8	57.1	57.4	57.8	58.4	59.0	59.7	60.5	61.2	62.0
150	55.5	55.8	56.2	56.4	56.6	56.8	57.0	57.4	58.0	58.6	59.3	60.0	60.7	61.5
160	55.4	55.6	55.8	56.0	56.2	56.4	56.6	57.0	57.6	58.2	58.8	59.5	60.2	60.9
170	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.6	57.1	57.7	58.3	59.0	59.7	60.4
180	54.7	54.9	55.1	55.3	55.5	55.7	55.9	56.2	56.7	57.3	57.9	58.5	59.2	59.9
190	54.7	54.8	55.1	55.2	55.3	55.4	55.5	55.9	56.4	56.9	57.5	58.1	58.7	59.4
200	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.6	56.0	56.5	57.1	57.7	58.3	58.9
210	54.3	54.4	54.5	54.6	54.7	54.8	54.9	55.2	55.7	56.2	56.7	57.3	57.9	58.5
220	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.9	55.4	55.8	56.3	56.9	57.4	58.1
230	53.8	53.9	54.0	54.1	54.2	54.3	54.4	54.7	55.1	55.5	56.0	56.5	57.1	57.6
240	53.5	53.6	53.7	53.8	53.9	54.0	54.1	54.4	54.8	55.2	55.7	56.2	56.7	57.2
250	53.3	53.6	53.7	53.8	53.8	53.8	53.8	54.1	54.5	54.9	55.3	55.8	56.3	56.8
260	53.1	53.6	53.6	53.6	53.6	53.6	53.6	53.9	54.2	54.6	55.0	55.5	56.0	56.5
270	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.6	54.0	54.3	54.7	55.2	55.6	56.1
280	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.4	53.7	54.1	54.5	54.9	55.3	55.8
290	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.5	53.8	54.2	54.6	55.0	55.5
300	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.0	53.3	53.6	53.9	54.3	54.7	55.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 149. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	59.5	59.7	59.9	60.1	60.3	60.5	60.7	61.1	61.6	62.2	62.8	63.5	64.2	64.9
50	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.5	61.1	61.7	62.4	63.1	63.9	64.7
60	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.3	60.9	61.6	62.3	63.0	63.8	64.7
70	58.1	58.3	58.5	58.7	58.9	59.1	59.3	59.8	60.4	61.0	61.8	62.5	63.3	64.1
80	57.1	57.4	57.7	58.0	58.3	58.6	58.9	59.3	59.9	60.6	61.3	62.1	62.9	63.7
90	57.0	57.4	57.6	57.8	58.0	58.2	58.4	58.9	59.5	60.2	60.9	61.6	62.4	63.2
100	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.4	59.0	59.7	60.4	61.2	61.9	62.8
110	56.3	57.0	57.1	57.2	57.3	57.4	57.5	58.0	58.6	59.2	59.9	60.7	61.4	62.2
120	55.9	56.1	56.3	56.5	56.7	56.9	57.1	57.5	58.1	58.7	59.4	60.1	60.9	61.7
130	55.5	55.7	55.9	56.1	56.3	56.5	56.7	57.1	57.7	58.3	58.9	59.6	60.4	61.1
140	55.1	55.3	55.5	55.7	55.9	56.1	56.3	56.7	57.2	57.8	58.5	59.1	59.9	60.6
150	55.0	55.3	55.5	55.6	55.7	55.8	55.9	56.3	56.8	57.4	58.0	58.6	59.3	60.1
160	54.9	55.2	55.1	55.2	55.3	55.4	55.5	55.9	56.4	57.0	57.5	58.2	58.8	59.5
170	54.6	54.7	54.8	54.9	55.0	55.1	55.2	55.5	56.0	56.5	57.1	57.7	58.4	59.0
180	54.2	54.3	54.4	54.5	54.6	54.7	54.8	55.2	55.6	56.2	56.7	57.3	57.9	58.6
190	53.9	54.0	54.1	54.2	54.3	54.4	54.5	54.9	55.3	55.8	56.3	56.9	57.5	58.1
200	53.6	53.7	53.8	53.9	54.0	54.1	54.2	54.5	54.9	55.4	55.9	56.4	57.0	57.6
210	53.4	53.5	53.6	53.9	53.9	53.9	53.9	54.2	54.6	55.1	55.6	56.1	56.6	57.2
220	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.9	54.3	54.7	55.2	55.7	56.2	56.8
230	52.8	52.9	53.0	53.1	53.2	53.3	53.4	53.7	54.0	54.4	54.9	55.3	55.8	56.4
240	52.6	52.7	52.8	53.1	53.1	53.1	53.1	53.4	53.7	54.1	54.6	55.0	55.5	56.0
250	52.4	52.5	52.6	52.9	52.9	52.9	52.9	53.1	53.5	53.8	54.2	54.7	55.1	55.6
260	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.9	53.2	53.6	54.0	54.4	54.8	55.3
270	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.7	53.0	53.3	53.7	54.1	54.5	54.9
280	52.0	52.0	52.1	52.2	52.2	52.2	52.2	52.4	52.7	53.1	53.4	53.8	54.2	54.6
290	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.5	52.8	53.2	53.5	53.9	54.3
300	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.3	52.6	52.9	53.2	53.6	54.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 150. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	58.4	58.6	58.8	59.0	59.2	59.4	59.6	60.0	60.5	61.0	61.6	62.2	62.9	63.5
50	57.9	58.1	58.3	58.5	58.7	58.9	59.1	59.5	60.1	60.7	61.3	62.0	62.7	63.5
60	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.2	59.8	60.4	61.1	61.8	62.6	63.4
70	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.7	59.2	59.9	60.6	61.3	62.1	62.9
80	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.3	58.8	59.5	60.2	60.9	61.7	62.5
90	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.9	58.4	59.1	59.8	60.5	61.3	62.1
100	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.4	58.0	58.6	59.3	60.0	60.8	61.6
110	55.4	55.6	55.8	56.0	56.2	56.4	56.6	57.0	57.5	58.2	58.8	59.5	60.3	61.1
120	55.2	55.6	55.7	55.8	55.9	56.0	56.1	56.6	57.1	57.7	58.4	59.1	59.8	60.6
130	55.1	55.2	55.3	55.4	55.5	55.6	55.7	56.1	56.7	57.3	57.9	58.6	59.3	60.1
140	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.7	56.2	56.8	57.4	58.1	58.8	59.5
150	54.1	54.2	54.6	54.7	54.8	54.9	55.0	55.3	55.8	56.4	57.0	57.6	58.3	59.0
160	54.0	54.1	54.2	54.3	54.4	54.5	54.6	55.0	55.5	56.0	56.6	57.2	57.8	58.5
170	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.6	55.1	55.6	56.1	56.7	57.4	58.0
180	53.4	53.5	53.6	53.7	53.8	53.9	54.0	54.3	54.7	55.2	55.7	56.3	56.9	57.6
190	53.4	53.4	53.6	53.6	53.6	53.6	53.6	54.0	54.4	54.9	55.4	55.9	56.5	57.1
200	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.6	54.1	54.5	55.0	55.5	56.1	56.7
210	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.3	53.7	54.2	54.6	55.1	55.7	56.3
220	52.2	52.3	52.4	52.5	52.6	52.7	52.8	53.1	53.4	53.9	54.3	54.8	55.3	55.8
230	52.2	52.2	52.2	52.5	52.5	52.5	52.5	52.8	53.1	53.5	54.0	54.4	54.9	55.4
240	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.5	52.9	53.3	53.7	54.1	54.6	55.1
250	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.3	52.6	53.0	53.4	53.8	54.2	54.7
260	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.4	52.7	53.1	53.5	53.9	54.4
270	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	52.1	52.5	52.8	53.2	53.6	54.0
280	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.6	51.9	52.2	52.5	52.9	53.3	53.7
290	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.4	51.7	52.0	52.3	52.6	53.0	53.4
300	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.4	51.7	52.1	52.4	52.7	53.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 151. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	57.4	57.6	57.8	58.0	58.2	58.4	58.6	59.0	59.5	60.2	60.8	61.5	62.2	62.9
50	57.1	57.3	57.5	57.7	57.9	58.1	58.3	58.7	59.2	59.8	60.5	61.1	61.9	62.6
60	57.2	57.3	57.4	57.5	57.6	57.7	57.8	58.3	58.8	59.5	60.1	60.8	61.6	62.3
70	56.1	56.3	56.5	56.7	56.9	57.1	57.3	57.8	58.3	59.0	59.7	60.4	61.1	61.9
80	55.7	55.9	56.1	56.3	56.5	56.7	56.9	57.4	57.9	58.6	59.3	60.0	60.7	61.5
90	55.3	55.5	55.7	55.9	56.1	56.3	56.5	56.9	57.5	58.1	58.8	59.5	60.3	61.1
100	54.9	55.1	55.3	55.5	55.7	55.9	56.1	56.5	57.0	57.7	58.3	59.1	59.8	60.6
110	54.5	54.7	54.9	55.1	55.3	55.5	55.7	56.1	56.6	57.2	57.9	58.6	59.3	60.1
120	54.4	54.7	54.8	54.9	55.0	55.1	55.2	55.6	56.2	56.8	57.4	58.1	58.9	59.6
130	54.2	54.3	54.4	54.5	54.6	54.7	54.8	55.2	55.8	56.3	57.0	57.7	58.4	59.1
140	53.3	53.5	53.7	53.9	54.1	54.3	54.5	54.9	55.4	55.9	56.5	57.2	57.9	58.6
150	53.0	53.1	53.7	53.8	53.9	54.0	54.1	54.5	55.0	55.5	56.1	56.8	57.4	58.2
160	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.1	54.6	55.1	55.7	56.3	57.0	57.7
170	52.6	52.7	53.0	53.1	53.2	53.3	53.4	53.8	54.2	54.7	55.3	55.9	56.5	57.2
180	52.5	52.6	52.7	52.8	52.9	53.0	53.1	53.4	53.9	54.4	54.9	55.5	56.1	56.7
190	52.2	52.3	52.4	52.5	52.6	52.7	52.8	53.1	53.5	54.0	54.5	55.1	55.7	56.3
200	51.9	52.0	52.1	52.2	52.3	52.4	52.5	52.8	53.2	53.7	54.2	54.7	55.3	55.9
210	51.7	52.0	51.9	52.2	52.2	52.2	52.2	52.5	52.9	53.3	53.8	54.3	54.9	55.5
220	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.2	52.6	53.0	53.5	54.0	54.5	55.1
230	51.4	51.5	51.6	51.7	51.7	51.7	51.7	52.0	52.3	52.7	53.2	53.6	54.1	54.7
240	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.7	52.1	52.4	52.9	53.3	53.8	54.3
250	50.9	51.0	51.1	51.2	51.2	51.2	51.2	51.5	51.8	52.2	52.6	53.0	53.4	53.9
260	50.9	51.0	51.1	51.0	51.0	51.0	51.0	51.2	51.5	51.9	52.3	52.7	53.1	53.6
270	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.0	51.3	51.7	52.0	52.4	52.8	53.3
280	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.8	51.1	51.4	51.8	52.1	52.5	53.0
290	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.6	50.9	51.2	51.5	51.9	52.2	52.6
300	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.4	50.6	51.0	51.3	51.6	52.0	52.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 152. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.8	58.4	58.9	59.6	60.2	60.9	61.6
50	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.8	58.3	58.9	59.5	60.2	60.9	61.6
60	56.3	56.4	56.5	56.6	56.7	56.8	56.9	57.4	57.9	58.5	59.2	59.9	60.6	61.4
70	55.3	55.5	55.7	55.9	56.1	56.3	56.5	56.9	57.4	58.1	58.7	59.4	60.2	60.9
80	55.1	55.5	55.6	55.7	55.8	55.9	56.0	56.4	57.0	57.6	58.3	59.0	59.7	60.5
90	54.4	54.6	54.8	55.0	55.2	55.4	55.6	56.0	56.5	57.1	57.8	58.5	59.2	60.0
100	54.3	54.6	54.7	54.8	54.9	55.0	55.1	55.5	56.1	56.7	57.3	58.0	58.8	59.5
110	54.1	54.2	54.3	54.4	54.5	54.6	54.7	55.1	55.6	56.2	56.9	57.6	58.3	59.0
120	53.7	53.8	53.9	54.0	54.1	54.2	54.3	54.7	55.2	55.8	56.4	57.1	57.8	58.6
130	53.3	53.4	53.5	53.6	53.7	53.8	53.9	54.3	54.8	55.4	56.0	56.6	57.3	58.1
140	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.9	54.4	55.0	55.6	56.2	56.9	57.6
150	52.4	52.5	52.8	52.9	53.0	53.1	53.2	53.6	54.0	54.6	55.2	55.8	56.4	57.2
160	52.3	52.4	52.5	52.6	52.7	52.8	52.9	53.2	53.7	54.2	54.8	55.4	56.0	56.7
170	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.9	53.3	53.8	54.4	55.0	55.6	56.3
180	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.6	53.0	53.5	54.0	54.6	55.2	55.8
190	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.2	52.7	53.1	53.6	54.2	54.8	55.4
200	51.1	51.2	51.3	51.4	51.5	51.6	51.7	52.0	52.3	52.8	53.3	53.8	54.4	55.0
210	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.7	52.1	52.5	53.0	53.5	54.0	54.6
220	50.6	50.7	50.8	51.1	51.1	51.1	51.1	51.4	51.8	52.2	52.6	53.1	53.6	54.2
230	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.1	51.5	51.9	52.3	52.8	53.3	53.8
240	50.3	50.4	50.5	50.5	50.6	50.6	50.6	50.9	51.2	51.6	52.0	52.5	52.9	53.5
250	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.6	51.0	51.3	51.7	52.2	52.6	53.1
260	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.4	50.7	51.1	51.5	51.9	52.3	52.8
270	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.2	50.5	50.8	51.2	51.6	52.0	52.5
280	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.3	50.6	51.0	51.3	51.7	52.2
290	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.8	50.1	50.4	50.7	51.1	51.4	51.9
300	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.6	49.9	50.2	50.5	50.8	51.2	51.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 153. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	55.3	55.5	55.7	55.9	56.1	56.3	56.5	56.9	57.4	58.0	58.6	59.3	60.0	60.7
50	55.4	55.6	55.8	56.0	56.2	56.4	56.6	57.0	57.5	58.1	58.7	59.4	60.1	60.8
60	55.6	55.7	55.8	55.9	56.0	56.1	56.2	56.7	57.2	57.8	58.5	59.2	59.9	60.6
70	54.5	54.7	54.9	55.1	55.3	55.5	55.7	56.1	56.7	57.3	58.0	58.7	59.4	60.2
80	54.1	54.3	54.5	54.7	54.9	55.1	55.3	55.7	56.2	56.8	57.5	58.2	58.9	59.7
90	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.2	55.8	56.4	57.0	57.7	58.4	59.2
100	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.8	55.3	55.9	56.5	57.2	58.0	58.7
110	53.1	53.4	53.5	53.6	53.7	53.8	53.9	54.3	54.9	55.5	56.1	56.8	57.5	58.3
120	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.9	54.5	55.0	55.7	56.3	57.1	57.8
130	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.5	54.0	54.6	55.2	55.9	56.6	57.4
140	51.9	52.2	52.4	52.5	52.6	52.7	52.8	53.2	53.7	54.2	54.8	55.5	56.2	56.9
150	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.8	53.3	53.8	54.4	55.1	55.7	56.5
160	51.5	51.6	51.7	51.8	51.9	52.0	52.1	52.5	52.9	53.5	54.0	54.7	55.3	56.0
170	51.2	51.3	51.4	51.5	51.6	51.7	51.8	52.1	52.6	53.1	53.7	54.3	54.9	55.6
180	50.9	51.0	51.1	51.2	51.3	51.4	51.5	51.8	52.3	52.8	53.3	53.9	54.5	55.2
190	50.6	50.7	50.8	50.9	51.0	51.1	51.2	51.5	51.9	52.4	53.0	53.5	54.1	54.8
200	50.6	50.6	50.7	50.9	50.9	50.9	50.9	51.2	51.6	52.1	52.6	53.2	53.7	54.4
210	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.9	51.3	51.8	52.3	52.8	53.4	54.0
220	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.7	51.1	51.5	52.0	52.5	53.0	53.6
230	49.6	49.7	49.8	50.1	50.1	50.1	50.1	50.4	50.8	51.2	51.7	52.1	52.7	53.2
240	49.4	49.5	49.6	49.9	49.9	49.9	49.9	50.2	50.5	50.9	51.4	51.8	52.3	52.9
250	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.9	50.3	50.7	51.1	51.5	52.0	52.5
260	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.7	50.0	50.4	50.8	51.2	51.7	52.2
270	48.9	49.0	49.1	49.2	49.2	49.2	49.2	49.5	49.8	50.2	50.5	51.0	51.4	51.9
280	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.3	49.6	49.9	50.3	50.7	51.1	51.6
290	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.1	49.4	49.7	50.0	50.4	50.8	51.3
300	48.6	48.6	48.6	48.6	48.6	48.7	48.6	48.9	49.1	49.5	49.8	50.2	50.6	51.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 154. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 heavy trucks; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	77.1	77.4	77.7	78.0	78.3	78.6	79.3	80.3	81.5	82.6	83.7	84.9	85.9	87.0
20	73.0	73.2	73.4	73.6	73.8	74.0	74.7	75.6	76.7	77.8	78.9	80.0	81.0	82.1
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.3	56.8	57.5	58.1	58.8	59.5	60.3
50	55.3	55.4	55.5	55.6	55.7	55.8	55.9	56.3	56.9	57.4	58.1	58.7	59.4	60.1
60	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.2	56.7	57.3	57.9	58.6	59.2	60.0
70	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.4	56.0	56.6	57.2	57.9	58.6	59.4
80	53.6	54.0	54.1	54.2	54.3	54.4	54.5	54.9	55.5	56.1	56.7	57.4	58.2	58.9
90	52.9	53.1	53.3	53.5	53.7	53.9	54.1	54.5	55.0	55.6	56.3	56.9	57.7	58.4
100	52.7	53.1	53.2	53.3	53.4	53.5	53.6	54.0	54.5	55.1	55.8	56.4	57.2	57.9
110	52.6	52.7	52.8	52.9	53.0	53.1	53.2	53.6	54.1	54.7	55.3	56.0	56.7	57.4
120	52.2	52.3	52.4	52.5	52.6	52.7	52.8	53.2	53.7	54.2	54.9	55.5	56.2	56.9
130	51.8	51.9	52.0	52.1	52.2	52.3	52.4	52.8	53.3	53.8	54.4	55.1	55.8	56.5
140	50.9	51.1	51.3	51.5	51.7	51.9	52.1	52.4	52.9	53.4	54.0	54.7	55.3	56.1
150	50.9	51.0	51.3	51.4	51.5	51.6	51.7	52.1	52.5	53.1	53.6	54.3	54.9	55.6
160	50.8	50.9	51.0	51.1	51.2	51.3	51.4	51.7	52.2	52.7	53.3	53.9	54.5	55.2
170	50.5	50.6	50.7	50.8	50.9	51.0	51.1	51.4	51.8	52.4	52.9	53.5	54.1	54.8
180	50.2	50.3	50.4	50.5	50.6	50.7	50.8	51.1	51.5	52.0	52.6	53.1	53.7	54.4
190	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.8	51.2	51.7	52.2	52.8	53.4	54.0
200	49.6	49.7	49.8	49.9	50.0	50.1	50.2	50.5	50.9	51.4	51.9	52.4	53.0	53.6
210	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.2	50.6	51.1	51.6	52.1	52.7	53.3
220	49.1	49.2	49.3	49.4	49.5	49.6	49.7	50.0	50.4	50.8	51.3	51.8	52.3	52.9
230	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.7	50.1	50.5	51.0	51.5	52.0	52.6
240	48.9	49.0	49.0	49.2	49.2	49.2	49.2	49.5	49.8	50.3	50.7	51.2	51.7	52.2
250	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.2	49.6	50.0	50.4	50.9	51.4	51.9
260	48.8	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.4	49.7	50.2	50.6	51.1	51.6
270	48.4	48.4	48.4	48.4	48.4	48.5	48.6	48.8	49.1	49.5	49.9	50.3	50.8	51.3
280	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.6	48.9	49.3	49.6	50.0	50.5	51.0
290	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.4	48.7	49.0	49.4	49.8	50.2	50.7
300	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2	48.5	48.8	49.2	49.5	49.9	50.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 155. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	61.2	61.6	62.0	62.4	62.8	63.2	63.8	64.3	64.8	65.3	65.8	66.3	66.7	67.2
50	61.1	61.5	61.9	62.3	62.7	63.1	63.6	64.1	64.5	65.0	65.4	65.8	66.2	66.6
60	61.1	61.5	61.9	62.3	62.7	63.1	63.6	64.1	64.5	64.9	65.3	65.7	66.1	66.4
70	60.9	61.3	61.7	62.1	62.5	62.9	63.4	63.8	64.3	64.7	65.1	65.5	65.8	66.2
80	60.6	61.0	61.4	61.8	62.2	62.6	63.1	63.5	64.0	64.4	64.8	65.2	65.6	65.9
90	60.3	60.7	61.1	61.5	61.9	62.3	62.7	63.2	63.7	64.1	64.5	64.9	65.3	65.7
100	59.9	60.3	60.7	61.1	61.5	61.9	62.4	62.9	63.3	63.8	64.2	64.6	65.0	65.4
110	59.6	60.0	60.4	60.8	61.2	61.6	62.1	62.5	63.0	63.4	63.9	64.3	64.7	65.0
120	59.2	59.6	60.0	60.4	60.8	61.2	61.7	62.2	62.7	63.1	63.5	64.0	64.3	64.7
130	58.9	59.3	59.7	60.1	60.5	60.9	61.4	61.9	62.3	62.8	63.2	63.6	64.0	64.4
140	58.6	59.0	59.4	59.8	60.2	60.6	61.1	61.6	62.0	62.5	62.9	63.3	63.7	64.1
150	58.3	58.7	59.1	59.5	59.9	60.3	60.8	61.2	61.7	62.2	62.6	63.0	63.4	63.8
160	58.0	58.4	58.8	59.2	59.6	60.0	60.5	60.9	61.4	61.9	62.3	62.7	63.1	63.5
170	57.7	58.1	58.5	58.9	59.3	59.7	60.2	60.7	61.1	61.6	62.0	62.4	62.8	63.2
180	57.4	57.8	58.2	58.6	59.0	59.4	59.9	60.4	60.9	61.3	61.7	62.1	62.5	62.9
190	56.7	57.2	57.7	58.2	58.7	59.2	59.6	60.1	60.6	61.0	61.5	61.9	62.3	62.6
200	56.4	57.0	57.7	58.1	58.5	58.9	59.4	59.9	60.3	60.8	61.2	61.6	62.0	62.4
210	56.2	56.7	57.2	57.7	58.2	58.7	59.1	59.6	60.1	60.5	60.9	61.4	61.7	62.1
220	56.2	56.7	57.2	57.6	58.0	58.4	58.9	59.4	59.8	60.3	60.7	61.1	61.5	61.9
230	56.2	56.6	57.0	57.4	57.8	58.2	58.7	59.1	59.6	60.0	60.5	60.9	61.3	61.6
240	56.0	56.4	56.8	57.2	57.6	58.0	58.4	58.9	59.4	59.8	60.2	60.6	61.0	61.4
250	55.7	56.1	56.5	56.9	57.3	57.7	58.2	58.7	59.1	59.6	60.0	60.4	60.8	61.2
260	55.5	55.9	56.3	56.7	57.1	57.5	58.0	58.5	58.9	59.4	59.8	60.2	60.6	60.9
270	55.3	55.7	56.1	56.5	56.9	57.3	57.8	58.3	58.7	59.1	59.6	60.0	60.3	60.7
280	55.1	55.5	55.9	56.3	56.7	57.1	57.6	58.1	58.5	58.9	59.4	59.8	60.1	60.5
290	54.9	55.3	55.7	56.1	56.5	56.9	57.4	57.9	58.3	58.7	59.2	59.6	59.9	60.3
300	54.7	55.1	55.5	55.9	56.3	56.7	57.2	57.7	58.1	58.6	59.0	59.4	59.7	60.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 156. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	58.6	59.0	59.4	59.8	60.2	60.6	61.0	61.5	61.9	62.4	62.8	63.2	63.6	64.0
50	58.5	58.9	59.3	59.7	60.1	60.5	60.9	61.4	61.8	62.2	62.6	63.0	63.4	63.8
60	59.1	59.4	59.7	60.0	60.3	60.6	61.0	61.4	61.9	62.3	62.6	63.0	63.4	63.7
70	58.9	59.2	59.5	59.8	60.1	60.4	60.8	61.2	61.6	62.0	62.3	62.7	63.0	63.4
80	58.6	58.9	59.2	59.5	59.8	60.1	60.5	60.9	61.3	61.7	62.0	62.4	62.7	63.0
90	58.3	58.6	58.9	59.2	59.5	59.8	60.2	60.6	61.0	61.4	61.8	62.1	62.4	62.7
100	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.3	60.7	61.1	61.5	61.8	62.2	62.5
110	57.2	57.6	58.0	58.4	58.8	59.2	59.6	60.0	60.4	60.8	61.2	61.5	61.9	62.2
120	56.9	57.3	57.7	58.1	58.5	58.9	59.3	59.7	60.1	60.5	60.9	61.3	61.6	62.0
130	56.6	57.0	57.4	57.8	58.2	58.6	59.0	59.4	59.8	60.2	60.6	61.0	61.3	61.7
140	56.3	56.7	57.1	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.3	60.7	61.1	61.4
150	56.0	56.4	56.8	57.2	57.6	58.0	58.4	58.8	59.3	59.7	60.1	60.4	60.8	61.1
160	55.7	56.1	56.5	56.9	57.3	57.7	58.1	58.6	59.0	59.4	59.8	60.1	60.5	60.9
170	55.4	55.8	56.2	56.6	57.0	57.4	57.8	58.3	58.7	59.1	59.5	59.9	60.2	60.6
180	55.2	55.6	56.2	56.5	56.8	57.1	57.6	58.0	58.4	58.8	59.2	59.6	60.0	60.3
190	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.8	58.2	58.6	59.0	59.4	59.7	60.1
200	54.7	55.1	55.7	56.0	56.3	56.6	57.1	57.5	57.9	58.3	58.7	59.1	59.5	59.8
210	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.3	57.7	58.1	58.5	58.9	59.2	59.6
220	54.2	54.6	55.0	55.4	55.8	56.2	56.6	57.0	57.5	57.9	58.2	58.6	59.0	59.3
230	54.2	54.6	55.0	55.3	55.6	55.9	56.4	56.8	57.2	57.6	58.0	58.4	58.7	59.1
240	54.2	54.5	54.8	55.1	55.4	55.7	56.1	56.6	57.0	57.4	57.8	58.2	58.5	58.9
250	53.5	53.9	54.3	54.7	55.1	55.5	55.9	56.4	56.8	57.2	57.6	57.9	58.3	58.6
260	53.3	53.7	54.1	54.5	54.9	55.3	55.7	56.2	56.6	57.0	57.4	57.7	58.1	58.4
270	53.1	53.5	53.9	54.3	54.7	55.1	55.5	55.9	56.4	56.8	57.1	57.5	57.9	58.2
280	52.9	53.3	53.7	54.1	54.5	54.9	55.3	55.7	56.2	56.6	56.9	57.3	57.7	58.0
290	52.9	53.3	53.7	54.1	54.4	54.7	55.1	55.6	56.0	56.4	56.7	57.1	57.5	57.8
300	52.9	53.3	53.6	53.9	54.2	54.5	54.9	55.4	55.8	56.2	56.5	56.9	57.3	57.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 157. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	57.0	57.3	57.6	57.9	58.2	58.5	58.9	59.3	59.7	60.1	60.5	60.9	61.2	61.6
50	57.1	57.4	57.7	58.0	58.3	58.6	59.0	59.4	59.8	60.2	60.6	61.0	61.3	61.7
60	57.2	57.5	57.8	58.1	58.4	58.7	59.1	59.5	59.9	60.3	60.7	61.0	61.4	61.8
70	56.9	57.2	57.5	57.8	58.1	58.4	58.8	59.2	59.6	59.9	60.3	60.6	61.0	61.3
80	56.6	56.9	57.2	57.5	57.8	58.1	58.5	58.9	59.3	59.6	59.9	60.2	60.5	60.8
90	56.3	56.6	56.9	57.2	57.5	57.8	58.2	58.6	58.9	59.3	59.6	59.9	60.2	60.5
100	55.6	56.0	56.4	56.8	57.2	57.6	57.9	58.3	58.7	59.0	59.3	59.6	59.9	60.2
110	55.3	56.0	56.3	56.6	56.9	57.2	57.6	58.0	58.4	58.7	59.1	59.4	59.7	60.0
120	55.0	55.4	55.8	56.2	56.6	57.0	57.3	57.7	58.1	58.5	58.8	59.1	59.4	59.7
130	54.7	55.1	55.5	55.9	56.3	56.7	57.1	57.4	57.8	58.2	58.5	58.8	59.2	59.5
140	54.7	55.0	55.5	55.8	56.1	56.4	56.8	57.2	57.5	57.9	58.3	58.6	58.9	59.2
150	54.6	54.9	55.2	55.5	55.8	56.1	56.5	56.9	57.3	57.6	58.0	58.3	58.7	59.0
160	54.3	54.6	54.9	55.2	55.5	55.8	56.2	56.6	57.0	57.4	57.7	58.1	58.4	58.7
170	53.6	54.0	54.4	54.8	55.2	55.6	56.0	56.4	56.8	57.1	57.5	57.8	58.2	58.5
180	53.4	53.8	54.2	54.7	55.0	55.3	55.7	56.1	56.5	56.9	57.2	57.6	57.9	58.2
190	53.4	53.5	53.9	54.3	54.7	55.1	55.5	55.9	56.3	56.6	57.0	57.3	57.7	58.0
200	53.3	53.5	53.9	54.2	54.5	54.8	55.2	55.6	56.0	56.4	56.8	57.1	57.4	57.8
210	53.1	53.4	53.7	54.0	54.3	54.6	55.0	55.4	55.8	56.2	56.5	56.9	57.2	57.5
220	52.4	52.8	53.2	53.6	54.0	54.4	54.8	55.2	55.6	55.9	56.3	56.6	57.0	57.3
230	52.4	52.8	53.2	53.5	53.8	54.1	54.5	54.9	55.3	55.7	56.1	56.4	56.8	57.1
240	52.4	52.7	53.0	53.3	53.6	53.9	54.3	54.7	55.1	55.5	55.8	56.2	56.5	56.9
250	52.2	52.5	52.8	53.1	53.4	53.7	54.1	54.5	54.9	55.3	55.6	56.0	56.3	56.6
260	52.0	52.3	52.6	52.9	53.2	53.5	53.9	54.3	54.7	55.1	55.4	55.8	56.1	56.4
270	51.8	52.1	52.4	52.7	53.0	53.3	53.7	54.1	54.5	54.9	55.2	55.6	55.9	56.2
280	51.6	51.9	52.2	52.5	52.8	53.1	53.5	53.9	54.3	54.7	55.0	55.4	55.7	56.0
290	51.4	51.7	52.0	52.3	52.6	52.9	53.3	53.7	54.1	54.5	54.8	55.2	55.5	55.8
300	51.2	51.5	51.8	52.1	52.4	52.7	53.1	53.5	53.9	54.3	54.6	55.0	55.3	55.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 158. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	55.6	55.9	56.2	56.5	56.8	57.1	57.4	57.8	58.2	58.6	58.9	59.3	59.6	60.0
50	55.7	56.0	56.3	56.6	56.9	57.3	57.6	58.0	58.4	58.8	59.1	59.5	59.8	60.2
60	55.4	55.7	56.1	56.5	56.9	57.2	57.6	58.0	58.4	58.8	59.1	59.5	59.9	60.2
70	55.2	55.6	56.0	56.3	56.6	56.9	57.3	57.6	58.0	58.3	58.7	59.0	59.3	59.6
80	55.1	55.4	55.7	56.0	56.3	56.6	56.9	57.3	57.6	58.0	58.3	58.6	58.9	59.1
90	54.8	55.1	55.4	55.7	56.0	56.3	56.6	57.0	57.3	57.6	57.9	58.2	58.5	58.8
100	54.8	55.0	55.4	55.6	55.8	56.0	56.4	56.7	57.0	57.4	57.7	57.9	58.2	58.5
110	54.7	54.9	55.1	55.3	55.5	55.7	56.1	56.4	56.8	57.1	57.4	57.7	58.0	58.2
120	54.0	54.3	54.6	54.9	55.2	55.5	55.8	56.2	56.5	56.8	57.2	57.4	57.7	58.0
130	53.7	54.0	54.3	54.6	54.9	55.2	55.6	55.9	56.3	56.6	56.9	57.2	57.5	57.8
140	53.4	53.7	54.0	54.3	54.6	54.9	55.3	55.7	56.0	56.3	56.7	57.0	57.3	57.5
150	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.4	55.8	56.1	56.4	56.7	57.0	57.3
160	52.9	53.2	53.5	53.8	54.1	54.4	54.8	55.2	55.5	55.9	56.2	56.5	56.8	57.1
170	52.7	53.0	53.3	53.6	53.9	54.2	54.5	54.9	55.3	55.6	55.9	56.2	56.6	56.9
180	52.4	52.7	53.0	53.3	53.6	53.9	54.3	54.7	55.0	55.4	55.7	56.0	56.3	56.6
190	52.2	52.5	52.8	53.1	53.4	53.7	54.1	54.4	54.8	55.1	55.5	55.8	56.1	56.4
200	51.5	51.9	52.3	52.7	53.1	53.5	53.8	54.2	54.6	54.9	55.3	55.6	55.9	56.2
210	51.5	51.9	52.3	52.6	52.9	53.2	53.6	54.0	54.3	54.7	55.0	55.4	55.7	56.0
220	51.5	51.8	52.1	52.4	52.7	53.0	53.4	53.8	54.1	54.5	54.8	55.1	55.4	55.8
230	51.3	51.6	51.9	52.2	52.5	52.8	53.2	53.5	53.9	54.3	54.6	54.9	55.2	55.5
240	51.1	51.4	51.7	52.0	52.3	52.6	53.0	53.3	53.7	54.1	54.4	54.7	55.0	55.3
250	50.9	51.2	51.5	51.8	52.1	52.4	52.7	53.1	53.5	53.8	54.2	54.5	54.8	55.1
260	50.7	51.0	51.3	51.6	51.9	52.2	52.5	52.9	53.3	53.6	54.0	54.3	54.6	54.9
270	50.5	50.8	51.1	51.4	51.7	52.0	52.3	52.7	53.1	53.4	53.8	54.1	54.4	54.7
280	50.3	50.6	50.9	51.2	51.5	51.8	52.2	52.5	52.9	53.2	53.6	53.9	54.2	54.5
290	50.1	50.4	50.7	51.0	51.3	51.6	52.0	52.3	52.7	53.1	53.4	53.7	54.0	54.3
300	49.9	50.2	50.5	50.8	51.1	51.4	51.8	52.2	52.5	52.9	53.2	53.5	53.8	54.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 159. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	54.9	55.1	55.3	55.5	55.7	55.9	56.3	56.7	57.1	57.4	57.8	58.1	58.5	58.8
50	54.8	55.1	55.4	55.7	56.0	56.3	56.6	57.0	57.4	57.7	58.1	58.4	58.8	59.1
60	54.7	55.0	55.3	55.6	55.9	56.2	56.6	57.0	57.3	57.7	58.1	58.4	58.8	59.1
70	54.2	54.5	54.8	55.1	55.4	55.7	56.0	56.4	56.7	57.0	57.4	57.7	58.0	58.3
80	54.1	54.5	54.7	54.9	55.1	55.3	55.6	56.0	56.3	56.6	56.9	57.2	57.5	57.8
90	54.0	54.2	54.4	54.6	54.8	55.0	55.4	55.7	56.0	56.3	56.6	56.9	57.1	57.4
100	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.7	56.0	56.3	56.6	56.9	57.1
110	53.0	53.4	53.9	54.1	54.3	54.5	54.9	55.2	55.5	55.8	56.1	56.4	56.6	56.9
120	52.8	53.1	53.4	53.7	54.0	54.3	54.6	55.0	55.3	55.6	55.9	56.1	56.4	56.6
130	52.6	52.9	53.4	53.6	53.8	54.0	54.4	54.7	55.0	55.3	55.6	55.9	56.2	56.4
140	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.5	54.8	55.1	55.4	55.7	56.0	56.2
150	52.0	52.4	52.9	53.1	53.3	53.5	53.9	54.2	54.6	54.9	55.2	55.5	55.7	56.0
160	51.8	52.1	52.4	52.7	53.0	53.3	53.7	54.0	54.3	54.7	55.0	55.3	55.5	55.8
170	51.6	51.9	52.2	52.5	52.8	53.1	53.4	53.8	54.1	54.4	54.7	55.0	55.3	55.6
180	51.4	51.7	52.2	52.4	52.6	52.8	53.2	53.6	53.9	54.2	54.5	54.8	55.1	55.4
190	51.1	51.4	51.7	52.0	52.3	52.6	53.0	53.3	53.7	54.0	54.3	54.6	54.9	55.2
200	50.9	51.2	51.5	51.8	52.1	52.4	52.8	53.1	53.5	53.8	54.1	54.4	54.7	55.0
210	50.7	51.0	51.3	51.6	51.9	52.2	52.5	52.9	53.3	53.6	53.9	54.2	54.5	54.8
220	50.5	50.8	51.1	51.4	51.7	52.0	52.3	52.7	53.0	53.4	53.7	54.0	54.3	54.6
230	50.3	50.6	50.9	51.2	51.5	51.8	52.1	52.5	52.8	53.2	53.5	53.8	54.1	54.4
240	50.1	50.4	50.7	51.0	51.3	51.6	51.9	52.3	52.6	53.0	53.3	53.6	53.9	54.2
250	49.9	50.2	50.5	50.8	51.1	51.4	51.7	52.1	52.4	52.8	53.1	53.4	53.7	54.0
260	49.7	50.0	50.3	50.6	50.9	51.2	51.5	51.9	52.2	52.6	52.9	53.2	53.5	53.8
270	49.5	49.8	50.1	50.4	50.7	51.0	51.3	51.7	52.1	52.4	52.7	53.0	53.3	53.6
280	49.3	49.6	49.9	50.2	50.5	50.8	51.2	51.5	51.9	52.2	52.5	52.8	53.1	53.4
290	49.1	49.4	49.7	50.0	50.3	50.6	51.0	51.3	51.7	52.0	52.3	52.6	52.9	53.2
300	49.0	49.3	49.6	50.0	50.2	50.4	50.8	51.2	51.5	51.8	52.2	52.5	52.7	53.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 160. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	53.5	53.8	54.1	54.4	54.7	55.0	55.4	55.8	56.1	56.5	56.8	57.2	57.5	57.9
50	54.3	54.5	54.7	54.9	55.1	55.3	55.7	56.0	56.4	56.7	57.0	57.4	57.7	58.0
60	53.9	54.2	54.5	54.8	55.1	55.4	55.8	56.2	56.6	57.0	57.3	57.7	58.0	58.4
70	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.4	55.7	56.1	56.4	56.7	57.0	57.3
80	53.2	53.4	53.6	53.8	54.0	54.2	54.6	54.9	55.2	55.5	55.8	56.1	56.4	56.6
90	52.9	53.1	53.3	53.5	53.7	53.9	54.3	54.6	54.9	55.2	55.4	55.7	56.0	56.2
100	52.7	52.9	53.1	53.3	53.5	53.7	54.0	54.3	54.6	54.9	55.2	55.4	55.7	55.9
110	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.2	55.5	55.7
120	51.8	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.0	55.2	55.5
130	51.8	52.1	52.4	52.6	52.8	53.0	53.4	53.7	54.0	54.3	54.5	54.8	55.0	55.3
140	51.8	52.0	52.2	52.4	52.6	52.8	53.1	53.5	53.8	54.1	54.3	54.6	54.9	55.1
150	51.1	51.4	51.7	52.0	52.3	52.6	52.9	53.3	53.6	53.9	54.1	54.4	54.7	54.9
160	50.9	51.2	51.5	51.8	52.1	52.4	52.7	53.0	53.4	53.7	53.9	54.2	54.5	54.7
170	50.7	51.0	51.3	51.6	51.9	52.2	52.5	52.8	53.2	53.5	53.7	54.0	54.3	54.5
180	50.7	51.0	51.3	51.5	51.7	51.9	52.3	52.6	53.0	53.3	53.5	53.8	54.1	54.3
190	50.7	50.9	51.1	51.3	51.5	51.7	52.1	52.4	52.7	53.1	53.4	53.6	53.9	54.2
200	50.5	50.7	50.9	51.1	51.3	51.5	51.9	52.2	52.5	52.9	53.2	53.4	53.7	54.0
210	49.8	50.1	50.4	50.7	51.0	51.3	51.7	52.0	52.3	52.7	53.0	53.2	53.5	53.8
220	49.6	49.9	50.2	50.5	50.8	51.1	51.5	51.8	52.2	52.5	52.8	53.1	53.3	53.6
230	49.6	49.9	50.1	50.3	50.6	50.9	51.3	51.6	52.0	52.3	52.6	52.9	53.1	53.4
240	49.5	49.8	50.0	50.3	50.5	50.7	51.1	51.4	51.8	52.1	52.4	52.7	52.9	53.2
250	49.5	49.7	49.9	50.1	50.3	50.5	50.9	51.2	51.6	51.9	52.2	52.5	52.8	53.0
260	48.9	49.2	49.5	49.8	50.1	50.4	50.7	51.1	51.4	51.7	52.0	52.3	52.6	52.8
270	48.7	49.0	49.3	49.6	49.9	50.2	50.5	50.9	51.2	51.5	51.8	52.1	52.4	52.7
280	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.7	51.0	51.3	51.6	51.9	52.2	52.5
290	48.3	48.6	48.9	49.2	49.5	49.8	50.2	50.5	50.9	51.2	51.5	51.8	52.0	52.3
300	48.2	48.5	48.8	49.2	49.4	49.6	50.0	50.3	50.7	51.0	51.3	51.6	51.9	52.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 161. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	52.7	53.0	53.3	53.6	53.9	54.2	54.5	54.9	55.3	55.6	56.0	56.3	56.6	57.0
50	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.2	55.5	55.8	56.1	56.4	56.7	57.0
60	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.5	55.9	56.3	56.6	56.9	57.3	57.6
70	52.9	53.1	53.3	53.5	53.7	53.9	54.3	54.6	55.0	55.3	55.6	55.9	56.2	56.5
80	52.3	52.5	52.7	52.9	53.1	53.3	53.6	54.0	54.3	54.6	54.9	55.1	55.4	55.7
90	52.0	52.2	52.4	52.6	52.8	53.0	53.3	53.6	53.9	54.2	54.4	54.7	55.0	55.2
100	51.3	51.6	51.9	52.2	52.5	52.8	53.0	53.3	53.6	53.9	54.2	54.4	54.7	54.9
110	51.3	51.6	51.9	52.1	52.3	52.5	52.8	53.1	53.4	53.7	54.0	54.2	54.4	54.7
120	51.3	51.5	51.7	51.9	52.1	52.3	52.6	52.9	53.2	53.5	53.8	54.0	54.2	54.5
130	51.1	51.3	51.5	51.7	51.9	52.1	52.4	52.7	53.0	53.3	53.6	53.8	54.0	54.3
140	50.9	51.1	51.3	51.5	51.7	51.9	52.2	52.6	52.8	53.1	53.4	53.6	53.8	54.1
150	50.7	50.9	51.1	51.3	51.5	51.7	52.0	52.4	52.7	52.9	53.2	53.4	53.7	53.9
160	50.5	50.7	50.9	51.1	51.3	51.5	51.8	52.2	52.5	52.7	53.0	53.2	53.5	53.7
170	50.3	50.5	50.7	50.9	51.1	51.3	51.6	52.0	52.3	52.6	52.8	53.1	53.3	53.5
180	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.8	52.1	52.4	52.6	52.9	53.1	53.4
190	49.9	50.1	50.3	50.5	50.7	50.9	51.2	51.6	51.9	52.2	52.4	52.7	53.0	53.2
200	49.7	49.9	50.1	50.3	50.5	50.7	51.1	51.4	51.7	52.0	52.3	52.5	52.8	53.0
210	49.5	49.7	49.9	50.1	50.3	50.5	50.9	51.2	51.5	51.8	52.1	52.3	52.6	52.8
220	49.3	49.5	49.7	49.9	50.1	50.3	50.7	51.0	51.3	51.6	51.9	52.2	52.4	52.7
230	48.7	49.0	49.3	49.6	49.9	50.2	50.5	50.8	51.1	51.4	51.7	52.0	52.2	52.5
240	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.6	51.0	51.3	51.5	51.8	52.1	52.3
250	48.3	48.6	48.9	49.2	49.5	49.8	50.1	50.5	50.8	51.1	51.4	51.6	51.9	52.1
260	48.1	48.4	48.7	49.0	49.3	49.6	49.9	50.3	50.6	50.9	51.2	51.5	51.7	52.0
270	47.9	48.2	48.6	49.0	49.2	49.4	49.8	50.1	50.4	50.7	51.0	51.3	51.5	51.8
280	47.8	48.0	48.6	48.8	49.0	49.2	49.6	49.9	50.2	50.6	50.8	51.1	51.4	51.6
290	47.6	47.9	48.2	48.5	48.8	49.1	49.4	49.8	50.1	50.4	50.7	50.9	51.2	51.5
300	47.4	47.7	48.0	48.3	48.6	48.9	49.2	49.6	49.9	50.2	50.5	50.8	51.0	51.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 162. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	51.9	52.2	52.5	52.8	53.1	53.4	53.7	54.1	54.5	54.8	55.1	55.4	55.8	56.1
50	52.2	52.5	52.8	53.1	53.4	53.7	54.0	54.3	54.7	55.0	55.3	55.5	55.8	56.1
60	52.6	52.9	53.2	53.5	53.8	54.1	54.5	54.8	55.2	55.6	55.9	56.2	56.5	56.8
70	51.8	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.3	54.6	54.9	55.2	55.5	55.8
80	51.1	51.4	51.7	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.3	54.6	54.9
90	50.7	51.0	51.3	51.6	51.9	52.2	52.5	52.7	53.0	53.3	53.6	53.8	54.1	54.4
100	50.7	51.0	51.3	51.5	51.7	51.9	52.2	52.5	52.7	53.0	53.3	53.5	53.8	54.0
110	50.7	50.9	51.1	51.3	51.5	51.7	52.0	52.3	52.5	52.8	53.0	53.3	53.5	53.7
120	50.5	50.7	50.9	51.1	51.3	51.5	51.8	52.1	52.3	52.6	52.8	53.1	53.3	53.5
130	50.3	50.5	50.7	50.9	51.1	51.3	51.6	51.9	52.2	52.4	52.7	52.9	53.1	53.3
140	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.7	52.0	52.2	52.5	52.7	52.9	53.1
150	49.9	50.1	50.3	50.5	50.7	50.9	51.2	51.5	51.8	52.1	52.3	52.5	52.7	52.9
160	49.7	49.9	50.1	50.3	50.5	50.7	51.0	51.3	51.6	51.9	52.1	52.3	52.6	52.8
170	49.5	49.7	49.9	50.1	50.3	50.5	50.8	51.1	51.4	51.7	51.9	52.2	52.4	52.6
180	49.3	49.5	49.7	49.9	50.1	50.3	50.6	50.9	51.2	51.5	51.8	52.0	52.2	52.4
190	49.1	49.3	49.5	49.7	49.9	50.1	50.5	50.8	51.1	51.3	51.6	51.8	52.0	52.3
200	48.5	48.8	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.1	51.4	51.6	51.9	52.1
210	48.3	48.6	48.9	49.2	49.5	49.8	50.1	50.4	50.7	51.0	51.2	51.5	51.7	51.9
220	48.1	48.4	48.7	49.0	49.3	49.6	49.9	50.2	50.5	50.8	51.1	51.3	51.5	51.8
230	48.1	48.4	48.6	49.0	49.2	49.4	49.7	50.0	50.3	50.6	50.9	51.1	51.4	51.6
240	48.0	48.3	48.5	48.8	49.0	49.2	49.5	49.9	50.2	50.4	50.7	50.9	51.2	51.4
250	48.0	48.2	48.4	48.6	48.8	49.0	49.4	49.7	50.0	50.3	50.5	50.8	51.0	51.2
260	47.4	47.7	48.0	48.3	48.6	48.9	49.2	49.5	49.8	50.1	50.4	50.6	50.8	51.1
270	47.2	47.5	47.8	48.1	48.4	48.7	49.0	49.3	49.6	49.9	50.2	50.4	50.7	50.9
280	47.0	47.3	47.7	48.1	48.3	48.5	48.8	49.2	49.5	49.8	50.0	50.3	50.5	50.7
290	46.9	47.2	47.5	47.8	48.1	48.4	48.7	49.0	49.3	49.6	49.9	50.1	50.3	50.6
300	46.7	47.0	47.3	47.6	47.9	48.2	48.5	48.8	49.1	49.4	49.7	49.9	50.2	50.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 163. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	74.5	75.1	75.7	76.3	76.9	77.5	78.2	78.9	79.6	80.3	80.9	81.6	82.2	82.8
20	72.2	72.8	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.8	78.3	78.9	79.5	80.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	51.6	51.8	52.0	52.2	52.4	52.6	53.0	53.4	53.7	54.1	54.4	54.8	55.1	55.4
50	51.9	52.1	52.3	52.5	52.7	52.9	53.2	53.6	53.9	54.2	54.5	54.7	55.0	55.3
60	51.9	52.2	52.5	52.8	53.1	53.4	53.7	54.1	54.4	54.8	55.1	55.4	55.7	56.0
70	51.6	51.8	52.0	52.2	52.4	52.6	52.9	53.3	53.6	53.9	54.2	54.5	54.7	55.0
80	50.4	50.7	51.0	51.3	51.6	51.9	52.2	52.5	52.8	53.0	53.3	53.6	53.8	54.1
90	50.4	50.6	50.8	51.0	51.2	51.4	51.7	52.0	52.3	52.5	52.8	53.0	53.3	53.5
100	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.7	51.9	52.2	52.5	52.7	52.9	53.2
110	49.9	50.1	50.3	50.5	50.7	50.9	51.2	51.5	51.7	52.0	52.2	52.4	52.7	52.9
120	49.7	49.9	50.1	50.3	50.5	50.7	51.0	51.3	51.5	51.8	52.0	52.2	52.4	52.7
130	49.5	49.7	49.9	50.1	50.3	50.5	50.8	51.1	51.3	51.6	51.8	52.0	52.2	52.4
140	49.3	49.5	49.7	49.9	50.1	50.3	50.6	50.9	51.1	51.4	51.6	51.8	52.0	52.2
150	49.1	49.3	49.5	49.7	49.9	50.1	50.4	50.7	51.0	51.2	51.4	51.6	51.8	52.0
160	48.9	49.1	49.3	49.5	49.7	49.9	50.2	50.5	50.8	51.0	51.2	51.5	51.7	51.8
170	48.3	48.6	48.9	49.2	49.5	49.8	50.0	50.3	50.6	50.8	51.1	51.3	51.5	51.7
180	48.3	48.6	48.9	49.2	49.4	49.6	49.9	50.1	50.4	50.7	50.9	51.1	51.3	51.5
190	48.2	48.5	48.8	49.0	49.2	49.4	49.7	50.0	50.2	50.5	50.7	50.9	51.1	51.3
200	48.2	48.4	48.6	48.8	49.0	49.2	49.5	49.8	50.1	50.3	50.6	50.8	51.0	51.2
210	48.0	48.2	48.4	48.6	48.8	49.0	49.3	49.6	49.9	50.1	50.4	50.6	50.8	51.0
220	47.8	48.0	48.2	48.4	48.6	48.8	49.1	49.4	49.7	50.0	50.2	50.4	50.6	50.8
230	47.2	47.5	47.8	48.1	48.4	48.7	49.0	49.3	49.5	49.8	50.0	50.3	50.5	50.7
240	47.0	47.3	47.6	47.9	48.2	48.5	48.8	49.1	49.4	49.6	49.9	50.1	50.3	50.5
250	46.8	47.1	47.4	47.8	48.1	48.3	48.6	48.9	49.2	49.5	49.7	49.9	50.1	50.4
260	46.6	46.9	47.2	47.7	47.9	48.1	48.4	48.7	49.0	49.3	49.5	49.8	50.0	50.2
270	46.5	46.8	47.1	47.4	47.7	48.0	48.3	48.6	48.9	49.1	49.4	49.6	49.8	50.0
280	46.3	46.6	47.0	47.4	47.6	47.8	48.1	48.4	48.7	49.0	49.2	49.4	49.7	49.9
290	46.1	46.4	47.0	47.2	47.4	47.6	47.9	48.2	48.5	48.8	49.0	49.3	49.5	49.7
300	46.0	46.3	46.6	46.9	47.2	47.5	47.8	48.1	48.4	48.6	48.9	49.1	49.3	49.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 164. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	57.0	57.4	57.8	58.2	58.6	59.0	59.4	59.9	60.3	60.8	61.2	61.7	62.1	62.6
50	56.2	56.6	57.0	57.4	57.8	58.2	58.6	59.1	59.5	60.0	60.5	60.9	61.4	61.9
60	55.7	56.1	56.5	56.9	57.3	57.7	58.1	58.5	59.0	59.4	59.9	60.4	60.8	61.3
70	55.2	55.5	55.8	56.1	56.4	56.7	57.1	57.6	58.0	58.5	58.9	59.4	59.8	60.3
80	54.4	54.7	55.0	55.3	55.6	55.9	56.3	56.7	57.2	57.6	58.0	58.5	58.9	59.4
90	53.7	54.0	54.3	54.6	54.9	55.2	55.6	55.9	56.4	56.8	57.2	57.6	58.0	58.4
100	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.2	55.6	56.0	56.3	56.7	57.1	57.5
110	52.4	52.7	53.0	53.3	53.6	53.9	54.2	54.5	54.9	55.2	55.6	55.9	56.3	56.7
120	52.3	52.5	52.7	52.9	53.1	53.3	53.6	53.9	54.2	54.5	54.9	55.2	55.5	55.9
130	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.3	53.6	53.9	54.2	54.5	54.8	55.1
140	51.3	51.5	51.7	51.9	52.1	52.3	52.5	52.8	53.1	53.3	53.6	53.9	54.1	54.4
150	51.3	51.4	51.5	51.6	51.7	51.8	52.1	52.3	52.5	52.8	53.0	53.3	53.5	53.8
160	50.9	51.0	51.1	51.2	51.3	51.4	51.6	51.9	52.1	52.3	52.5	52.7	53.0	53.2
170	50.5	50.6	50.7	50.8	50.9	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6
180	49.7	49.9	50.1	50.3	50.5	50.7	50.8	51.0	51.2	51.4	51.6	51.8	51.9	52.1
190	49.6	49.9	50.0	50.1	50.2	50.3	50.5	50.7	50.9	51.0	51.2	51.3	51.5	51.7
200	49.5	49.6	49.7	49.8	49.9	50.0	50.2	50.4	50.5	50.7	50.8	50.9	51.1	51.2
210	49.2	49.3	49.4	49.5	49.6	49.7	49.9	50.0	50.2	50.3	50.4	50.6	50.7	50.8
220	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.8	49.9	50.0	50.1	50.2	50.3	50.4
230	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.5	49.6	49.7	49.8	49.9	50.0	50.1
240	48.5	48.6	48.7	48.8	48.9	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.7
250	48.4	48.5	48.7	48.7	48.7	48.7	48.9	49.0	49.1	49.2	49.2	49.3	49.4	49.4
260	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	49.0	49.0	49.1	49.1	49.2
270	48.1	48.2	48.3	48.3	48.3	48.3	48.4	48.6	48.6	48.7	48.8	48.8	48.8	48.9
280	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.3	48.4	48.5	48.5	48.6	48.6	48.6
290	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.3
300	47.3	47.4	47.5	47.6	47.7	47.8	47.9	47.9	48.0	48.1	48.1	48.1	48.1	48.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 165. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	56.0	56.2	56.4	56.6	56.8	57.0	57.4	57.8	58.1	58.5	58.8	59.2	59.6	59.9
50	54.9	55.2	55.5	55.8	56.1	56.4	56.8	57.2	57.6	58.0	58.3	58.7	59.1	59.5
60	55.1	55.3	55.5	55.7	55.9	56.1	56.5	56.9	57.2	57.6	58.0	58.4	58.8	59.2
70	53.7	54.0	54.3	54.6	54.9	55.2	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.3
80	53.1	53.4	53.7	54.0	54.3	54.6	54.9	55.3	55.6	56.0	56.4	56.8	57.2	57.6
90	52.5	52.8	53.1	53.4	53.7	54.0	54.3	54.7	55.0	55.4	55.8	56.1	56.5	56.9
100	52.4	52.6	52.8	53.0	53.2	53.4	53.7	54.1	54.4	54.8	55.1	55.5	55.9	56.2
110	51.4	51.7	52.0	52.3	52.6	52.9	53.2	53.5	53.8	54.2	54.5	54.8	55.2	55.5
120	51.4	51.6	51.8	52.0	52.2	52.4	52.6	53.0	53.3	53.6	53.9	54.2	54.5	54.9
130	50.9	51.1	51.3	51.5	51.7	51.9	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.2
140	50.4	50.6	50.8	51.0	51.2	51.4	51.7	51.9	52.2	52.5	52.8	53.0	53.3	53.6
150	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.5	51.7	52.0	52.2	52.5	52.7	53.0
160	49.9	50.2	50.3	50.4	50.5	50.6	50.8	51.1	51.3	51.5	51.8	52.0	52.2	52.5
170	49.7	49.8	49.9	50.0	50.1	50.2	50.4	50.7	50.9	51.1	51.3	51.5	51.7	51.9
180	49.4	49.5	49.6	49.7	49.8	49.9	50.1	50.3	50.5	50.7	50.9	51.1	51.3	51.5
190	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.9	50.1	50.3	50.5	50.6	50.8	51.0
200	48.8	48.9	49.0	49.1	49.2	49.3	49.5	49.6	49.8	50.0	50.1	50.3	50.4	50.6
210	48.5	48.6	48.7	48.8	48.9	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.0	50.2
220	48.2	48.3	48.4	48.5	48.6	48.7	48.9	49.0	49.2	49.3	49.4	49.5	49.6	49.8
230	48.0	48.0	48.4	48.4	48.4	48.4	48.6	48.7	48.9	49.0	49.1	49.2	49.3	49.4
240	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.5	48.6	48.7	48.8	48.9	49.0	49.1
250	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.7
260	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.1	48.2	48.3	48.4	48.4	48.5
270	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.0	48.0	48.1	48.1	48.1
280	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.7	47.8	47.8	47.9	47.9
290	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.5	47.6	47.6	47.6	47.6
300	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.3	47.3	47.4	47.4	47.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 166. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	54.6	54.8	55.0	55.2	55.4	55.6	56.0	56.3	56.6	56.9	57.3	57.6	57.9	58.2
50	54.3	54.5	54.7	54.9	55.1	55.3	55.7	56.1	56.4	56.8	57.2	57.5	57.9	58.3
60	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.5	55.9	56.3	56.6	57.0	57.4	57.8
70	53.1	53.3	53.5	53.7	53.9	54.1	54.4	54.8	55.2	55.5	55.9	56.3	56.7	57.0
80	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.2	54.6	55.0	55.3	55.7	56.1	56.5
90	52.0	52.2	52.4	52.6	52.8	53.0	53.3	53.7	54.0	54.4	54.8	55.1	55.5	55.9
100	51.5	51.7	51.9	52.1	52.3	52.5	52.8	53.2	53.5	53.9	54.2	54.6	54.9	55.3
110	50.6	50.9	51.2	51.5	51.8	52.1	52.4	52.7	53.0	53.3	53.7	54.0	54.4	54.8
120	50.6	50.8	51.0	51.2	51.4	51.6	51.9	52.2	52.5	52.8	53.1	53.5	53.8	54.2
130	50.1	50.3	50.5	50.7	50.9	51.1	51.4	51.7	52.0	52.3	52.6	52.9	53.3	53.6
140	49.7	49.9	50.1	50.3	50.5	50.7	51.0	51.2	51.5	51.8	52.1	52.4	52.7	53.0
150	49.4	49.6	50.0	50.1	50.2	50.3	50.6	50.8	51.1	51.4	51.6	51.9	52.2	52.5
160	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.7	50.9	51.2	51.4	51.7	52.0
170	49.0	49.1	49.2	49.3	49.4	49.5	49.8	50.0	50.2	50.5	50.7	50.9	51.2	51.4
180	48.7	48.8	48.9	49.0	49.1	49.2	49.4	49.6	49.8	50.1	50.3	50.5	50.7	50.9
190	48.4	48.5	48.6	48.7	48.8	48.9	49.1	49.3	49.5	49.7	49.9	50.1	50.3	50.5
200	48.1	48.2	48.3	48.4	48.5	48.6	48.8	49.0	49.2	49.3	49.5	49.7	49.9	50.1
210	47.8	47.9	48.0	48.1	48.2	48.3	48.5	48.7	48.8	49.0	49.2	49.3	49.5	49.7
220	47.5	47.6	47.7	47.8	47.9	48.0	48.2	48.4	48.5	48.7	48.8	49.0	49.1	49.3
230	47.3	47.4	47.5	47.6	47.7	47.8	47.9	48.1	48.2	48.4	48.5	48.6	48.8	48.9
240	47.0	47.2	47.5	47.5	47.5	47.5	47.7	47.8	48.0	48.1	48.2	48.3	48.4	48.6
250	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.6	47.7	47.8	47.9	48.0	48.1	48.2
260	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.4	47.5	47.6	47.7	47.8	47.8	47.9
270	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.6
280	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	47.0	47.1	47.2	47.2	47.3	47.4
290	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	46.9	47.0	47.0	47.1
300	46.0	46.1	46.2	46.3	46.3	46.3	46.4	46.5	46.6	46.7	46.7	46.8	46.8	46.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 167. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	53.2	53.5	53.8	54.1	54.4	54.7	55.0	55.3	55.7	56.0	56.3	56.6	57.0	57.3
50	53.1	53.4	53.7	54.0	54.3	54.6	54.9	55.3	55.7	56.0	56.4	56.7	57.1	57.4
60	53.2	53.4	53.6	53.8	54.0	54.2	54.6	54.9	55.3	55.6	56.0	56.4	56.7	57.1
70	52.3	52.5	52.7	52.9	53.1	53.3	53.7	54.0	54.4	54.7	55.1	55.4	55.8	56.2
80	51.7	51.9	52.1	52.3	52.5	52.7	53.0	53.4	53.7	54.1	54.4	54.8	55.2	55.5
90	51.2	51.4	51.6	51.8	52.0	52.2	52.5	52.9	53.2	53.6	53.9	54.3	54.6	55.0
100	50.7	50.9	51.1	51.3	51.5	51.7	52.1	52.4	52.7	53.1	53.4	53.8	54.1	54.5
110	50.3	50.5	50.7	50.9	51.1	51.3	51.6	51.9	52.2	52.6	52.9	53.3	53.6	54.0
120	49.8	50.0	50.2	50.4	50.6	50.8	51.1	51.4	51.8	52.1	52.4	52.7	53.1	53.4
130	49.4	49.6	49.8	50.0	50.2	50.4	50.7	51.0	51.3	51.6	51.9	52.2	52.6	52.9
140	49.0	49.2	49.4	49.6	49.8	50.0	50.3	50.5	50.8	51.1	51.4	51.7	52.0	52.4
150	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.1	50.4	50.7	51.0	51.2	51.5	51.9
160	48.3	48.8	48.9	49.0	49.1	49.2	49.5	49.7	50.0	50.3	50.5	50.8	51.1	51.4
170	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.4	49.6	49.8	50.1	50.3	50.6	50.9
180	47.8	48.1	48.2	48.3	48.4	48.5	48.8	49.0	49.2	49.5	49.7	49.9	50.2	50.4
190	47.7	47.8	47.9	48.0	48.1	48.2	48.4	48.7	48.9	49.1	49.3	49.5	49.8	50.0
200	47.4	47.5	47.6	47.7	47.8	47.9	48.1	48.3	48.6	48.7	48.9	49.1	49.3	49.6
210	46.7	46.9	47.1	47.3	47.5	47.7	47.9	48.0	48.2	48.4	48.6	48.8	49.0	49.2
220	46.7	46.8	47.1	47.2	47.3	47.4	47.6	47.8	47.9	48.1	48.3	48.4	48.6	48.8
230	46.6	46.7	46.8	46.9	47.0	47.1	47.3	47.5	47.7	47.8	48.0	48.1	48.3	48.4
240	46.4	46.5	46.6	46.7	46.8	46.9	47.1	47.2	47.4	47.5	47.7	47.8	47.9	48.1
250	46.2	46.3	46.4	46.5	46.6	46.7	46.8	47.0	47.1	47.3	47.4	47.5	47.6	47.7
260	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.9	47.0	47.1	47.2	47.3	47.4
270	46.0	46.0	46.2	46.2	46.2	46.2	46.4	46.5	46.6	46.8	46.8	46.9	47.0	47.1
280	46.0	46.0	46.0	46.0	46.0	46.0	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9
290	45.8	45.8	45.8	45.8	45.8	45.8	46.0	46.1	46.2	46.3	46.4	46.4	46.5	46.6
300	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.2	46.3	46.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 168. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	52.8	53.0	53.2	53.4	53.6	53.8	54.1	54.5	54.8	55.2	55.5	55.8	56.1	56.4
50	52.9	53.1	53.3	53.5	53.7	53.9	54.2	54.6	54.9	55.3	55.6	55.9	56.3	56.6
60	52.2	52.5	52.8	53.1	53.4	53.7	54.0	54.4	54.8	55.1	55.5	55.8	56.2	56.5
70	51.6	51.8	52.0	52.2	52.4	52.6	53.0	53.3	53.7	54.0	54.4	54.7	55.1	55.5
80	51.0	51.2	51.4	51.6	51.8	52.0	52.3	52.7	53.0	53.4	53.7	54.1	54.4	54.8
90	50.5	50.7	50.9	51.1	51.3	51.5	51.8	52.2	52.5	52.8	53.2	53.5	53.9	54.2
100	50.0	50.2	50.4	50.6	50.8	51.0	51.3	51.7	52.0	52.3	52.7	53.0	53.4	53.7
110	49.6	49.8	50.0	50.2	50.4	50.6	50.9	51.2	51.5	51.8	52.2	52.5	52.9	53.2
120	49.1	49.3	49.5	49.7	49.9	50.1	50.4	50.7	51.1	51.4	51.7	52.0	52.4	52.7
130	48.7	48.9	49.1	49.3	49.5	49.7	50.0	50.3	50.6	50.9	51.2	51.5	51.9	52.2
140	48.3	48.5	48.7	48.9	49.1	49.3	49.6	49.9	50.2	50.5	50.8	51.1	51.4	51.7
150	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.5	49.8	50.0	50.3	50.6	50.9	51.2
160	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.1	49.4	49.6	49.9	50.2	50.5	50.8
170	47.3	47.5	47.7	47.9	48.1	48.3	48.5	48.7	49.0	49.2	49.5	49.8	50.0	50.3
180	47.2	47.5	47.6	47.7	47.8	47.9	48.2	48.4	48.6	48.9	49.1	49.3	49.6	49.9
190	47.1	47.2	47.3	47.4	47.5	47.6	47.8	48.1	48.3	48.5	48.7	49.0	49.2	49.4
200	46.8	46.9	47.0	47.1	47.2	47.3	47.5	47.8	48.0	48.2	48.4	48.6	48.8	49.0
210	46.5	46.3	46.5	46.7	46.9	47.1	47.3	47.5	47.7	47.8	48.0	48.2	48.4	48.6
220	46.2	46.3	46.5	46.6	46.7	46.8	47.0	47.2	47.4	47.5	47.7	47.9	48.1	48.3
230	46.0	46.1	46.2	46.3	46.4	46.5	46.7	46.9	47.1	47.2	47.4	47.6	47.7	47.9
240	45.8	45.9	46.0	46.1	46.2	46.3	46.5	46.6	46.8	47.0	47.1	47.2	47.4	47.6
250	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.4	46.5	46.7	46.8	47.0	47.1	47.2
260	45.5	45.5	45.8	45.8	45.8	45.8	46.0	46.1	46.3	46.4	46.5	46.7	46.8	46.9
270	45.4	45.4	45.4	45.4	45.5	45.6	45.8	45.9	46.1	46.2	46.3	46.4	46.5	46.6
280	45.1	45.2	45.4	45.4	45.4	45.4	45.6	45.7	45.8	45.9	46.0	46.1	46.2	46.3
290	45.0	45.1	45.2	45.2	45.2	45.2	45.4	45.5	45.6	45.7	45.8	45.9	46.0	46.1
300	45.0	45.0	45.0	45.0	45.0	45.0	45.2	45.3	45.4	45.5	45.6	45.7	45.7	45.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 169. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	51.6	51.9	52.2	52.5	52.8	53.1	53.5	53.8	54.2	54.5	54.8	55.2	55.5	55.8
50	52.2	52.4	52.6	52.8	53.0	53.2	53.5	53.9	54.2	54.5	54.8	55.2	55.5	55.8
60	51.7	52.0	52.3	52.6	52.9	53.2	53.5	53.9	54.3	54.6	54.9	55.3	55.6	56.0
70	51.1	51.3	51.5	51.7	51.9	52.1	52.5	52.8	53.2	53.5	53.9	54.2	54.5	54.9
80	50.4	50.6	50.8	51.0	51.2	51.4	51.7	52.1	52.4	52.7	53.1	53.4	53.8	54.1
90	49.8	50.0	50.2	50.4	50.6	50.8	51.1	51.5	51.8	52.1	52.5	52.8	53.1	53.5
100	48.9	49.2	49.5	49.8	50.1	50.4	50.7	51.0	51.3	51.6	51.9	52.3	52.6	53.0
110	48.9	49.1	49.3	49.5	49.7	49.9	50.2	50.5	50.8	51.1	51.5	51.8	52.1	52.5
120	48.5	48.7	48.9	49.1	49.3	49.5	49.8	50.1	50.4	50.7	51.0	51.3	51.6	52.0
130	48.1	48.3	48.5	48.7	48.9	49.1	49.4	49.6	49.9	50.2	50.5	50.8	51.2	51.5
140	47.7	47.9	48.1	48.3	48.5	48.7	49.0	49.3	49.5	49.8	50.1	50.4	50.7	51.0
150	47.4	47.9	48.0	48.1	48.2	48.3	48.6	48.9	49.1	49.4	49.7	50.0	50.3	50.6
160	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.5	48.8	49.0	49.3	49.5	49.8	50.1
170	46.9	46.9	47.1	47.3	47.5	47.7	47.9	48.1	48.4	48.6	48.9	49.1	49.4	49.7
180	46.8	46.9	47.0	47.1	47.2	47.3	47.6	47.8	48.0	48.3	48.5	48.7	49.0	49.3
190	46.5	46.6	46.7	46.8	46.9	47.0	47.3	47.5	47.7	47.9	48.1	48.4	48.6	48.9
200	46.2	46.3	46.4	46.5	46.6	46.7	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.5
210	46.0	46.1	46.2	46.3	46.4	46.5	46.7	46.9	47.1	47.3	47.5	47.7	47.9	48.1
220	45.7	45.8	45.9	46.0	46.1	46.2	46.4	46.6	46.8	47.0	47.2	47.3	47.5	47.7
230	45.0	45.2	45.4	45.6	45.8	46.0	46.1	46.3	46.5	46.7	46.8	47.0	47.2	47.4
240	45.0	45.2	45.4	45.5	45.6	45.7	45.9	46.1	46.2	46.4	46.6	46.7	46.9	47.0
250	44.9	45.1	45.2	45.3	45.4	45.5	45.6	45.8	46.0	46.1	46.3	46.4	46.6	46.7
260	44.8	44.9	45.0	45.1	45.2	45.3	45.4	45.6	45.7	45.9	46.0	46.1	46.3	46.4
270	44.6	44.7	44.8	44.9	45.0	45.1	45.2	45.4	45.5	45.6	45.8	45.9	46.0	46.1
280	44.5	44.6	44.8	44.8	44.8	44.8	45.0	45.1	45.3	45.4	45.5	45.6	45.7	45.8
290	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	45.1	45.2	45.3	45.4	45.5	45.6
300	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	45.0	45.0	45.1	45.2	45.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 170. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	50.9	51.2	51.5	51.8	52.1	52.4	52.7	53.0	53.4	53.7	54.0	54.4	54.7	55.0
50	51.0	51.3	51.6	51.9	52.2	52.5	52.8	53.1	53.4	53.8	54.1	54.4	54.6	54.9
60	51.5	51.7	51.9	52.1	52.3	52.5	52.9	53.3	53.6	54.0	54.3	54.7	55.0	55.3
70	50.6	50.8	51.0	51.2	51.4	51.6	52.0	52.3	52.7	53.0	53.3	53.7	54.0	54.4
80	49.8	50.0	50.2	50.4	50.6	50.8	51.1	51.5	51.8	52.1	52.5	52.8	53.1	53.5
90	49.2	49.4	49.6	49.8	50.0	50.2	50.5	50.8	51.2	51.5	51.8	52.1	52.5	52.8
100	48.7	48.9	49.1	49.3	49.5	49.7	50.0	50.3	50.6	50.9	51.2	51.6	51.9	52.2
110	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.9	50.2	50.5	50.8	51.1	51.4	51.7
120	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.2
130	47.5	47.7	47.9	48.1	48.3	48.5	48.7	49.0	49.3	49.6	49.9	50.2	50.5	50.8
140	47.1	47.3	47.5	47.7	47.9	48.1	48.4	48.6	48.9	49.2	49.5	49.7	50.0	50.3
150	46.8	47.3	47.4	47.5	47.6	47.7	48.0	48.3	48.5	48.8	49.1	49.3	49.6	49.9
160	46.4	46.6	46.8	47.0	47.2	47.4	47.7	47.9	48.2	48.4	48.7	48.9	49.2	49.5
170	46.1	46.3	46.5	46.7	46.9	47.1	47.3	47.6	47.8	48.1	48.3	48.6	48.8	49.1
180	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.5	47.7	47.9	48.2	48.4	48.7
190	45.5	45.7	45.9	46.1	46.3	46.5	46.7	46.9	47.2	47.4	47.6	47.8	48.0	48.3
200	45.5	45.7	45.9	46.0	46.1	46.2	46.4	46.6	46.8	47.0	47.2	47.5	47.7	47.9
210	45.4	45.5	45.6	45.7	45.8	45.9	46.1	46.3	46.5	46.7	46.9	47.1	47.3	47.6
220	44.7	44.9	45.1	45.3	45.5	45.7	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2
230	44.7	44.8	45.1	45.2	45.3	45.4	45.6	45.8	46.0	46.1	46.3	46.5	46.7	46.9
240	44.7	44.8	44.9	45.0	45.1	45.2	45.3	45.5	45.7	45.9	46.0	46.2	46.4	46.5
250	44.4	44.5	44.6	44.7	44.8	44.9	45.1	45.3	45.4	45.6	45.8	45.9	46.1	46.2
260	44.2	44.3	44.4	44.5	44.6	44.7	44.9	45.0	45.2	45.4	45.5	45.6	45.8	45.9
270	44.0	44.1	44.2	44.3	44.4	44.5	44.7	44.8	45.0	45.1	45.2	45.4	45.5	45.6
280	43.8	43.9	44.0	44.1	44.2	44.3	44.5	44.6	44.7	44.9	45.0	45.1	45.2	45.3
290	43.6	43.7	43.8	43.9	44.0	44.1	44.2	44.4	44.5	44.6	44.8	44.9	45.0	45.1
300	43.4	43.5	43.6	43.7	43.8	43.9	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 171. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	50.1	50.4	50.7	51.0	51.3	51.6	51.9	52.2	52.6	52.9	53.2	53.5	53.8	54.1
50	50.8	51.0	51.2	51.4	51.6	51.8	52.1	52.4	52.7	53.0	53.3	53.6	53.9	54.1
60	50.5	50.8	51.1	51.4	51.7	52.0	52.4	52.7	53.1	53.4	53.7	54.0	54.3	54.7
70	49.6	49.9	50.2	50.5	50.8	51.1	51.4	51.8	52.1	52.4	52.8	53.1	53.4	53.7
80	48.8	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.6	51.9	52.2	52.5	52.8
90	48.6	48.8	49.0	49.2	49.4	49.6	49.9	50.2	50.5	50.9	51.2	51.5	51.8	52.1
100	48.1	48.3	48.5	48.7	48.9	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.5
110	47.7	47.9	48.1	48.3	48.5	48.7	48.9	49.2	49.5	49.8	50.1	50.4	50.7	51.0
120	47.7	47.8	47.9	48.0	48.1	48.2	48.5	48.8	49.1	49.3	49.6	49.9	50.2	50.5
130	46.9	47.1	47.3	47.5	47.7	47.9	48.1	48.4	48.7	48.9	49.2	49.5	49.8	50.1
140	46.5	46.7	46.9	47.1	47.3	47.5	47.8	48.0	48.3	48.5	48.8	49.1	49.4	49.6
150	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.7	47.9	48.2	48.4	48.7	48.9	49.2
160	46.1	46.4	46.5	46.6	46.7	46.8	47.1	47.3	47.6	47.8	48.1	48.3	48.6	48.8
170	46.0	46.1	46.2	46.3	46.4	46.5	46.7	47.0	47.2	47.5	47.7	47.9	48.2	48.5
180	45.7	45.8	45.9	46.0	46.1	46.2	46.4	46.7	46.9	47.1	47.4	47.6	47.8	48.1
190	45.4	45.5	45.6	45.7	45.8	45.9	46.1	46.4	46.6	46.8	47.0	47.2	47.5	47.7
200	45.1	45.2	45.3	45.4	45.5	45.6	45.9	46.1	46.3	46.5	46.7	46.9	47.1	47.3
210	44.9	45.0	45.1	45.2	45.3	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0
220	44.6	44.7	44.8	44.9	45.0	45.1	45.3	45.5	45.7	45.9	46.1	46.3	46.5	46.7
230	44.4	44.5	44.6	44.7	44.8	44.9	45.1	45.3	45.4	45.6	45.8	46.0	46.1	46.3
240	44.1	44.2	44.3	44.4	44.5	44.6	44.8	45.0	45.2	45.3	45.5	45.7	45.8	46.0
250	43.9	44.0	44.1	44.2	44.3	44.4	44.6	44.8	44.9	45.1	45.2	45.4	45.5	45.7
260	43.7	43.8	43.9	44.0	44.1	44.2	44.3	44.5	44.7	44.8	45.0	45.1	45.2	45.4
270	43.5	43.6	43.7	43.8	43.9	44.0	44.1	44.3	44.5	44.6	44.7	44.8	45.0	45.1
280	43.3	43.4	43.5	43.6	43.7	43.8	43.9	44.1	44.2	44.4	44.5	44.6	44.7	44.8
290	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.9	44.0	44.1	44.2	44.4	44.5	44.6
300	42.9	43.0	43.1	43.2	43.3	43.4	43.5	43.7	43.8	43.9	44.0	44.1	44.2	44.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 172. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 buses; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	71.4	72.1	72.8	73.5	74.2	74.9	75.5	76.2	76.9	77.6	78.2	78.8	79.4	80.0
20	67.3	67.8	68.3	68.8	69.3	69.8	70.4	71.0	71.6	72.2	72.7	73.3	73.8	74.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.6	51.9	52.3	52.6	52.9	53.2	53.6
50	50.2	50.4	50.6	50.8	51.0	51.2	51.5	51.8	52.1	52.3	52.6	52.9	53.2	53.5
60	50.3	50.6	50.9	51.2	51.5	51.8	52.1	52.4	52.7	53.0	53.3	53.6	53.8	54.1
70	49.1	49.4	49.7	50.0	50.3	50.6	50.9	51.2	51.6	51.9	52.2	52.5	52.8	53.1
80	48.7	48.9	49.1	49.3	49.5	49.7	50.0	50.4	50.7	51.0	51.3	51.6	51.9	52.2
90	47.6	47.9	48.2	48.5	48.8	49.1	49.3	49.6	49.9	50.2	50.5	50.8	51.1	51.4
100	47.5	47.7	47.9	48.1	48.3	48.5	48.8	49.1	49.4	49.6	49.9	50.2	50.5	50.8
110	47.1	47.3	47.5	47.7	47.9	48.1	48.3	48.6	48.9	49.1	49.4	49.7	50.0	50.3
120	46.7	46.9	47.1	47.3	47.5	47.7	47.9	48.2	48.5	48.7	49.0	49.3	49.5	49.8
130	46.3	46.5	46.7	46.9	47.1	47.3	47.5	47.8	48.1	48.3	48.6	48.8	49.1	49.4
140	46.0	46.5	46.6	46.7	46.8	46.9	47.2	47.4	47.7	47.9	48.2	48.4	48.7	49.0
150	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.1	47.3	47.6	47.8	48.1	48.3	48.6
160	45.3	45.5	45.7	45.9	46.1	46.3	46.5	46.7	47.0	47.2	47.4	47.7	47.9	48.2
170	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.7	46.9	47.1	47.3	47.6	47.8
180	44.7	44.9	45.1	45.3	45.5	45.7	45.9	46.1	46.3	46.6	46.8	47.0	47.2	47.5
190	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.7	46.9	47.1
200	44.2	44.4	44.8	44.9	45.0	45.1	45.3	45.5	45.7	45.9	46.1	46.3	46.5	46.8
210	43.9	44.1	44.3	44.5	44.7	44.9	45.0	45.3	45.5	45.6	45.8	46.0	46.2	46.4
220	43.7	43.9	44.3	44.4	44.5	44.6	44.8	45.0	45.2	45.4	45.5	45.7	45.9	46.1
230	43.4	43.6	43.8	44.0	44.2	44.4	44.5	44.7	44.9	45.1	45.3	45.4	45.6	45.8
240	43.4	43.6	43.8	43.9	44.0	44.1	44.3	44.5	44.7	44.8	45.0	45.1	45.3	45.5
250	43.4	43.5	43.6	43.7	43.8	43.9	44.1	44.2	44.4	44.6	44.7	44.9	45.0	45.2
260	43.2	43.3	43.4	43.5	43.6	43.7	43.8	44.0	44.2	44.3	44.5	44.6	44.7	44.9
270	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.8	43.9	44.1	44.2	44.3	44.5	44.6
280	42.8	42.9	43.0	43.1	43.2	43.3	43.4	43.6	43.7	43.9	44.0	44.1	44.2	44.3
290	42.6	42.7	42.8	42.9	43.0	43.1	43.2	43.4	43.5	43.6	43.7	43.9	44.0	44.1
300	42.4	42.5	42.6	42.7	42.8	42.9	43.0	43.2	43.3	43.4	43.5	43.6	43.7	43.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 173. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	47.5	50.2	52.9	55.6	58.8	61.6	64.0	66.0	67.8	69.4	70.8	72.1	73.2	74.3
50	47.4	50.2	53.0	55.8	59.0	61.8	64.2	66.2	68.0	69.6	71.0	72.3	73.4	74.5
60	47.5	50.3	53.1	55.9	59.1	61.9	64.3	66.3	68.1	69.6	71.0	72.3	73.5	74.5
70	47.3	50.1	52.9	55.7	58.9	61.7	64.0	66.1	67.8	69.4	70.8	72.0	73.2	74.3
80	47.0	49.8	52.6	55.4	58.6	61.4	63.7	65.7	67.5	69.0	70.4	71.7	72.9	73.9
90	46.9	49.6	52.3	55.0	58.2	61.0	63.4	65.4	67.1	68.7	70.1	71.3	72.5	73.5
100	46.3	49.1	51.9	54.7	57.9	60.6	63.0	65.0	66.8	68.3	69.7	71.0	72.1	73.2
110	46.2	48.9	51.6	54.3	57.5	60.3	62.6	64.7	66.4	68.0	69.3	70.6	71.7	72.8
120	45.6	48.4	51.2	54.0	57.2	59.9	62.3	64.3	66.1	67.6	69.0	70.3	71.4	72.5
130	45.5	48.2	50.9	53.6	56.8	59.6	62.0	64.0	65.7	67.3	68.7	69.9	71.1	72.1
140	44.9	47.7	50.5	53.3	56.5	59.3	61.6	63.6	65.4	66.9	68.3	69.6	70.7	71.8
150	44.6	47.4	50.2	53.0	56.2	59.0	61.3	63.3	65.1	66.6	68.0	69.3	70.4	71.5
160	44.3	47.1	49.9	52.7	55.9	58.7	61.0	63.0	64.8	66.3	67.7	69.0	70.1	71.2
170	44.3	47.0	49.7	52.4	55.6	58.4	60.7	62.8	64.5	66.1	67.5	68.7	69.9	70.9
180	44.0	46.7	49.4	52.1	55.3	58.1	60.5	62.5	64.2	65.8	67.2	68.4	69.6	70.6
190	43.5	46.3	49.1	51.9	55.1	57.9	60.2	62.2	64.0	65.5	66.9	68.2	69.3	70.4
200	43.5	46.2	48.9	51.6	54.8	57.6	60.0	62.0	63.7	65.3	66.7	67.9	69.1	70.1
210	43.0	45.8	48.6	51.4	54.6	57.4	59.7	61.7	63.5	65.0	66.4	67.7	68.8	69.9
220	42.8	45.6	48.4	51.2	54.3	57.1	59.5	61.5	63.3	64.8	66.2	67.5	68.6	69.7
230	42.8	45.5	48.2	50.9	54.1	56.9	59.3	61.3	63.0	64.6	66.0	67.2	68.4	69.4
240	42.6	45.3	48.0	50.7	53.9	56.7	59.0	61.1	62.8	64.4	65.8	67.0	68.2	69.2
250	42.1	44.9	47.7	50.5	53.7	56.5	58.8	60.9	62.6	64.2	65.5	66.8	68.0	69.0
260	41.9	44.7	47.5	50.3	53.5	56.3	58.6	60.6	62.4	64.0	65.3	66.6	67.8	68.8
270	41.7	44.5	47.3	50.1	53.3	56.1	58.4	60.4	62.2	63.8	65.1	66.4	67.6	68.6
280	41.5	44.3	47.1	49.9	53.1	55.9	58.2	60.3	62.0	63.6	65.0	66.2	67.4	68.4
290	41.5	44.3	47.0	49.7	52.9	55.7	58.0	60.1	61.8	63.4	64.8	66.0	67.2	68.2
300	41.4	44.1	46.8	49.5	52.7	55.5	57.9	59.9	61.6	63.2	64.6	65.8	67.0	68.1

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 174. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	44.9	47.7	50.5	53.3	56.5	59.3	61.7	63.7	65.5	67.1	68.5	69.8	71.0	72.1
50	44.9	47.7	50.5	53.3	56.5	59.3	61.7	63.7	65.5	67.1	68.5	69.8	71.0	72.1
60	45.1	47.9	50.7	53.5	56.7	59.5	61.9	63.9	65.7	67.3	68.7	70.0	71.2	72.2
70	45.2	47.9	50.6	53.3	56.6	59.4	61.7	63.8	65.6	67.1	68.5	69.8	71.0	72.1
80	44.7	47.5	50.3	53.1	56.3	59.1	61.5	63.5	65.3	66.9	68.3	69.5	70.7	71.8
90	44.4	47.2	50.0	52.8	56.0	58.8	61.2	63.2	65.0	66.5	67.9	69.2	70.4	71.5
100	44.1	46.9	49.7	52.5	55.7	58.5	60.8	62.9	64.6	66.2	67.6	68.9	70.0	71.1
110	44.0	46.7	49.4	52.1	55.3	58.1	60.5	62.5	64.3	65.9	67.3	68.5	69.7	70.8
120	43.4	46.2	49.0	51.8	55.0	57.8	60.2	62.2	64.0	65.5	67.0	68.2	69.4	70.5
130	43.1	45.9	48.7	51.5	54.7	57.5	59.9	61.9	63.7	65.2	66.6	67.9	69.1	70.1
140	42.8	45.6	48.4	51.2	54.4	57.2	59.6	61.6	63.4	64.9	66.3	67.6	68.8	69.8
150	42.5	45.3	48.1	50.9	54.1	56.9	59.3	61.3	63.1	64.6	66.0	67.3	68.5	69.5
160	42.2	45.0	47.8	50.6	53.8	56.6	59.0	61.0	62.8	64.3	65.7	67.0	68.2	69.2
170	42.2	44.9	47.6	50.3	53.5	56.3	58.7	60.7	62.5	64.1	65.5	66.7	67.9	69.0
180	41.7	44.5	47.3	50.1	53.3	56.1	58.4	60.5	62.2	63.8	65.2	66.5	67.6	68.7
190	41.7	44.4	47.1	49.8	53.0	55.8	58.2	60.2	62.0	63.6	65.0	66.2	67.4	68.5
200	41.2	44.0	46.8	49.6	52.8	55.6	57.9	60.0	61.7	63.3	64.7	66.0	67.2	68.2
210	41.2	43.9	46.6	49.3	52.5	55.3	57.7	59.7	61.5	63.1	64.5	65.8	66.9	68.0
220	40.7	43.5	46.3	49.1	52.3	55.1	57.5	59.5	61.3	62.8	64.3	65.5	66.7	67.8
230	40.5	43.3	46.1	48.9	52.1	54.9	57.3	59.3	61.1	62.6	64.0	65.3	66.5	67.5
240	40.3	43.1	45.9	48.7	51.9	54.7	57.0	59.1	60.8	62.4	63.8	65.1	66.3	67.3
250	40.1	42.9	45.7	48.5	51.7	54.5	56.8	58.9	60.6	62.2	63.6	64.9	66.0	67.1
260	39.9	42.7	45.5	48.3	51.5	54.3	56.6	58.7	60.4	62.0	63.4	64.7	65.8	66.9
270	39.7	42.5	45.3	48.1	51.3	54.1	56.4	58.5	60.2	61.8	63.2	64.5	65.7	66.7
280	39.5	42.3	45.1	47.9	51.1	53.9	56.2	58.3	60.1	61.6	63.0	64.3	65.5	66.5
290	39.3	42.1	44.9	47.7	50.9	53.7	56.1	58.1	59.9	61.4	62.8	64.1	65.3	66.4
300	39.1	41.9	44.7	47.5	50.7	53.5	55.9	57.9	59.7	61.3	62.7	63.9	65.1	66.2

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 175. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	43.3	46.0	48.7	51.4	54.7	57.5	59.9	62.0	63.8	65.4	66.8	68.1	69.3	70.4
50	43.3	46.0	48.7	51.4	54.7	57.5	59.9	62.0	63.8	65.4	66.8	68.1	69.3	70.4
60	43.2	46.0	48.8	51.6	54.8	57.6	60.0	62.1	63.9	65.5	66.9	68.2	69.4	70.5
70	43.1	45.9	48.7	51.3	54.7	57.5	59.9	61.9	63.7	65.3	66.8	68.0	69.2	70.3
80	42.8	45.6	48.4	51.2	54.5	57.3	59.7	61.7	63.5	65.1	66.5	67.8	69.0	70.1
90	42.6	45.4	48.2	51.0	54.2	57.0	59.4	61.4	63.2	64.8	66.2	67.5	68.7	69.8
100	42.3	45.1	47.9	50.7	53.9	56.7	59.1	61.1	62.9	64.5	65.9	67.2	68.4	69.4
110	42.0	44.8	47.6	50.4	53.6	56.4	58.8	60.8	62.6	64.2	65.6	66.9	68.0	69.1
120	41.7	44.5	47.3	50.1	53.3	56.1	58.5	60.5	62.3	63.9	65.3	66.6	67.7	68.8
130	41.4	44.2	47.0	49.8	53.0	55.8	58.2	60.2	62.0	63.6	65.0	66.3	67.4	68.5
140	41.1	43.9	46.7	49.5	52.7	55.5	57.9	59.9	61.7	63.3	64.7	66.0	67.1	68.2
150	40.8	43.6	46.4	49.2	52.4	55.2	57.6	59.6	61.4	63.0	64.4	65.7	66.9	67.9
160	40.5	43.3	46.1	48.9	52.1	54.9	57.3	59.4	61.1	62.7	64.1	65.4	66.6	67.7
170	40.5	43.2	45.9	48.6	51.9	54.7	57.0	59.1	60.9	62.4	63.9	65.1	66.3	67.4
180	40.0	42.8	45.6	48.4	51.6	54.4	56.8	58.8	60.6	62.2	63.6	64.9	66.1	67.1
190	40.0	42.7	45.4	48.1	51.4	54.2	56.5	58.6	60.4	61.9	63.4	64.6	65.8	66.9
200	39.5	42.3	45.1	47.9	51.1	53.9	56.3	58.3	60.1	61.7	63.1	64.4	65.6	66.7
210	39.3	42.1	44.9	47.7	50.9	53.7	56.1	58.1	59.9	61.5	62.9	64.2	65.3	66.4
220	39.3	42.0	44.7	47.4	50.7	53.5	55.8	57.9	59.7	61.3	62.7	63.9	65.1	66.2
230	38.8	41.6	44.4	47.2	50.4	53.3	55.6	57.7	59.5	61.0	62.5	63.7	64.9	66.0
240	38.6	41.4	44.2	47.0	50.2	53.0	55.4	57.5	59.2	60.8	62.2	63.5	64.7	65.8
250	38.4	41.2	44.0	46.8	50.0	52.8	55.2	57.3	59.0	60.6	62.0	63.3	64.5	65.6
260	38.2	41.0	43.8	46.6	49.8	52.6	55.0	57.1	58.8	60.4	61.8	63.1	64.3	65.4
270	38.0	40.8	43.6	46.4	49.6	52.4	54.8	56.9	58.6	60.2	61.6	62.9	64.1	65.2
280	37.8	40.6	43.4	46.2	49.4	52.2	54.6	56.7	58.5	60.0	61.5	62.7	63.9	65.0
290	37.8	40.6	43.3	46.0	49.3	52.1	54.4	56.5	58.3	59.9	61.3	62.6	63.7	64.8
300	37.7	40.4	43.1	45.8	49.1	51.9	54.3	56.3	58.1	59.7	61.1	62.4	63.6	64.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 176. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	41.7	44.5	47.3	50.1	53.3	56.1	58.5	60.6	62.4	64.0	65.5	66.8	68.0	69.1
50	42.0	44.7	47.4	50.1	53.4	56.2	58.6	60.7	62.5	64.1	65.5	66.8	68.0	69.1
60	41.7	44.5	47.3	50.1	53.4	56.2	58.6	60.7	62.5	64.1	65.5	66.8	68.0	69.1
70	41.5	44.3	47.1	49.9	53.2	56.0	58.4	60.5	62.3	63.9	65.3	66.6	67.8	68.9
80	41.3	44.1	46.9	49.7	53.0	55.8	58.2	60.2	62.0	63.6	65.1	66.4	67.6	68.7
90	41.1	43.9	46.7	49.5	52.7	55.5	57.9	60.0	61.8	63.4	64.8	66.1	67.3	68.4
100	40.8	43.6	46.4	49.2	52.4	55.3	57.7	59.7	61.5	63.1	64.5	65.8	67.0	68.1
110	40.5	43.3	46.1	48.9	52.2	55.0	57.4	59.4	61.2	62.8	64.2	65.5	66.7	67.8
120	40.5	43.2	45.9	48.6	51.9	54.7	57.1	59.1	60.9	62.5	63.9	65.2	66.4	67.5
130	40.0	42.8	45.6	48.4	51.6	54.4	56.8	58.9	60.6	62.2	63.7	64.9	66.1	67.2
140	39.7	42.5	45.3	48.1	51.3	54.1	56.5	58.6	60.4	61.9	63.4	64.7	65.8	66.9
150	39.4	42.2	45.0	47.8	51.1	53.9	56.3	58.3	60.1	61.7	63.1	64.4	65.6	66.7
160	39.2	42.0	44.8	47.6	50.8	53.6	56.0	58.0	59.8	61.4	62.8	64.1	65.3	66.4
170	38.9	41.7	44.5	47.3	50.5	53.3	55.7	57.8	59.6	61.2	62.6	63.9	65.0	66.1
180	38.7	41.5	44.3	47.1	50.3	53.1	55.5	57.5	59.3	60.9	62.3	63.6	64.8	65.9
190	38.4	41.2	44.0	46.8	50.0	52.9	55.2	57.3	59.1	60.7	62.1	63.4	64.6	65.7
200	38.2	41.0	43.8	46.6	49.8	52.6	55.0	57.1	58.9	60.4	61.9	63.1	64.3	65.4
210	38.0	40.8	43.6	46.4	49.6	52.4	54.8	56.8	58.6	60.2	61.6	62.9	64.1	65.2
220	38.0	40.7	43.4	46.1	49.4	52.2	54.6	56.6	58.4	60.0	61.4	62.7	63.9	65.0
230	37.5	40.3	43.1	45.9	49.2	52.0	54.4	56.4	58.2	59.8	61.2	62.5	63.7	64.8
240	37.3	40.1	42.9	45.7	48.9	51.8	54.2	56.2	58.0	59.6	61.0	62.3	63.5	64.6
250	37.1	39.9	42.7	45.5	48.7	51.6	53.9	56.0	57.8	59.4	60.8	62.1	63.3	64.4
260	36.9	39.7	42.5	45.3	48.5	51.4	53.8	55.8	57.6	59.2	60.6	61.9	63.1	64.2
270	36.7	39.5	42.3	45.1	48.4	51.2	53.6	55.6	57.4	59.0	60.4	61.7	62.9	64.0
280	36.5	39.5	42.2	44.9	48.2	51.0	53.4	55.4	57.2	58.8	60.2	61.5	62.7	63.8
290	36.4	39.2	42.0	44.8	48.0	50.8	53.2	55.2	57.0	58.6	60.0	61.3	62.5	63.6
300	36.2	39.0	41.8	44.6	47.8	50.6	53.0	55.1	56.9	58.4	59.9	61.2	62.3	63.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 177. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	40.5	43.3	46.1	48.9	52.2	55.0	57.4	59.5	61.3	62.9	64.4	65.7	66.9	68.0
50	40.8	43.6	46.4	49.2	52.4	55.3	57.7	59.7	61.5	63.1	64.6	65.9	67.1	68.2
60	40.7	43.5	46.3	49.1	52.3	55.1	57.5	59.6	61.4	63.0	64.4	65.7	66.9	68.0
70	40.3	43.1	45.9	48.7	52.0	54.8	57.2	59.3	61.1	62.7	64.1	65.4	66.6	67.7
80	40.1	42.9	45.7	48.5	51.7	54.5	56.9	59.0	60.8	62.4	63.9	65.2	66.4	67.5
90	39.8	42.6	45.4	48.2	51.5	54.3	56.7	58.8	60.6	62.2	63.6	64.9	66.1	67.2
100	39.6	42.4	45.2	48.0	51.2	54.1	56.5	58.5	60.3	61.9	63.4	64.7	65.9	67.0
110	39.4	42.2	45.0	47.8	51.0	53.8	56.2	58.3	60.1	61.7	63.1	64.4	65.6	66.7
120	39.1	41.9	44.7	47.5	50.7	53.6	56.0	58.0	59.8	61.4	62.8	64.1	65.3	66.4
130	39.1	41.8	44.5	47.2	50.5	53.3	55.7	57.7	59.5	61.1	62.6	63.9	65.1	66.1
140	38.6	41.4	44.2	47.0	50.2	53.0	55.4	57.5	59.3	60.9	62.3	63.6	64.8	65.9
150	38.6	41.3	44.0	46.7	50.0	52.8	55.2	57.2	59.0	60.6	62.0	63.3	64.5	65.6
160	38.1	40.9	43.7	46.5	49.7	52.5	54.9	57.0	58.8	60.4	61.8	63.1	64.3	65.4
170	38.1	40.8	43.5	46.2	49.5	52.3	54.7	56.7	58.5	60.1	61.5	62.8	64.0	65.1
180	37.6	40.4	43.2	46.0	49.2	52.1	54.5	56.5	58.3	59.9	61.3	62.6	63.8	64.9
190	37.4	40.2	43.0	45.8	49.0	51.8	54.2	56.3	58.1	59.7	61.1	62.4	63.6	64.7
200	37.2	40.0	42.8	45.6	48.8	51.6	54.0	56.1	57.8	59.4	60.9	62.2	63.3	64.4
210	37.2	39.9	42.6	45.3	48.6	51.4	53.8	55.8	57.6	59.2	60.6	61.9	63.1	64.2
220	36.7	39.5	42.3	45.1	48.4	51.2	53.6	55.6	57.4	59.0	60.4	61.7	62.9	64.0
230	36.5	39.3	42.1	44.9	48.2	51.0	53.4	55.4	57.2	58.8	60.2	61.5	62.7	63.8
240	36.3	39.1	41.9	44.7	47.9	50.8	53.2	55.2	57.0	58.6	60.0	61.3	62.5	63.6
250	36.1	38.9	41.7	44.5	47.8	50.6	53.0	55.0	56.8	58.4	59.8	61.1	62.3	63.4
260	35.9	38.7	41.5	44.3	47.6	50.4	52.8	54.8	56.6	58.2	59.6	60.9	62.1	63.2
270	35.7	38.7	41.4	44.1	47.4	50.2	52.6	54.6	56.4	58.0	59.4	60.7	61.9	63.0
280	35.6	38.4	41.2	44.0	47.2	50.0	52.4	54.5	56.2	57.8	59.3	60.6	61.7	62.8
290	35.4	38.2	41.0	43.8	47.0	49.8	52.2	54.3	56.1	57.7	59.1	60.4	61.6	62.7
300	35.2	38.0	40.8	43.6	46.8	49.7	52.0	54.1	55.9	57.5	58.9	60.2	61.4	62.5

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 178. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	39.6	42.4	45.2	48.0	51.2	54.1	56.5	58.5	60.3	61.9	63.4	64.7	65.9	67.0
50	39.9	42.7	45.5	48.3	51.6	54.4	56.8	58.9	60.7	62.3	63.7	65.0	66.2	67.3
60	39.9	42.7	45.5	48.3	51.5	54.3	56.7	58.8	60.6	62.2	63.6	64.9	66.1	67.2
70	39.3	42.1	44.9	47.7	51.0	53.8	56.2	58.3	60.1	61.7	63.2	64.5	65.7	66.8
80	39.0	41.8	44.6	47.4	50.6	53.5	55.9	58.0	59.8	61.4	62.8	64.1	65.3	66.5
90	38.5	41.4	44.3	47.2	50.4	53.2	55.6	57.7	59.5	61.1	62.6	63.9	65.1	66.2
100	38.5	41.3	44.1	46.9	50.2	53.0	55.4	57.5	59.3	60.9	62.3	63.7	64.9	66.0
110	38.3	41.1	43.9	46.7	50.0	52.8	55.2	57.3	59.1	60.7	62.1	63.4	64.6	65.7
120	38.1	40.9	43.7	46.5	49.7	52.6	55.0	57.0	58.8	60.4	61.9	63.2	64.4	65.5
130	37.9	40.7	43.5	46.3	49.5	52.3	54.7	56.8	58.6	60.2	61.6	62.9	64.1	65.2
140	37.9	40.6	43.3	46.0	49.3	52.1	54.5	56.6	58.4	60.0	61.4	62.7	63.9	65.0
150	37.4	40.2	43.0	45.8	49.0	51.9	54.3	56.3	58.1	59.7	61.1	62.4	63.6	64.7
160	37.2	40.0	42.8	45.6	48.8	51.6	54.0	56.1	57.9	59.5	60.9	62.2	63.4	64.5
170	37.0	39.8	42.6	45.4	48.6	51.4	53.8	55.9	57.7	59.2	60.7	62.0	63.2	64.3
180	36.7	39.5	42.3	45.1	48.4	51.2	53.6	55.6	57.4	59.0	60.5	61.8	62.9	64.0
190	36.5	39.3	42.1	44.9	48.1	51.0	53.4	55.4	57.2	58.8	60.2	61.5	62.7	63.8
200	36.3	39.1	41.9	44.7	47.9	50.8	53.1	55.2	57.0	58.6	60.0	61.3	62.5	63.6
210	36.1	38.9	41.7	44.5	47.7	50.5	52.9	55.0	56.8	58.4	59.8	61.1	62.3	63.4
220	35.9	38.7	41.5	44.3	47.5	50.3	52.7	54.8	56.6	58.2	59.6	60.9	62.1	63.2
230	35.7	38.5	41.3	44.1	47.3	50.1	52.5	54.6	56.4	58.0	59.4	60.7	61.9	63.0
240	35.5	38.3	41.1	43.9	47.1	49.9	52.3	54.4	56.2	57.8	59.2	60.5	61.7	62.8
250	35.3	38.1	40.9	43.7	46.9	49.7	52.1	54.2	56.0	57.6	59.0	60.3	61.5	62.6
260	35.1	37.9	40.7	43.5	46.7	49.6	52.0	54.0	55.8	57.4	58.8	60.1	61.3	62.4
270	34.9	37.7	40.5	43.3	46.6	49.4	51.8	53.8	55.6	57.2	58.6	59.9	61.1	62.2
280	34.8	37.7	40.4	43.1	46.4	49.2	51.6	53.6	55.4	57.0	58.5	59.8	60.9	62.0
290	34.6	37.4	40.2	43.0	46.2	49.0	51.4	53.5	55.3	56.9	58.3	59.6	60.8	61.9
300	34.4	37.2	40.0	42.8	46.0	48.9	51.2	53.3	55.1	56.7	58.1	59.4	60.6	61.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 179. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	38.7	41.5	44.3	47.1	50.4	53.2	55.6	57.7	59.5	61.1	62.5	63.8	65.0	66.1
50	39.1	41.9	44.7	47.5	50.8	53.6	56.0	58.1	59.9	61.5	63.0	64.3	65.5	66.6
60	39.2	42.0	44.8	47.6	50.8	53.7	56.1	58.1	59.9	61.5	63.0	64.3	65.4	66.6
70	38.6	41.4	44.2	47.0	50.2	53.0	55.4	57.5	59.3	60.9	62.4	63.7	64.9	66.0
80	38.1	40.9	43.7	46.5	49.7	52.6	55.0	57.1	58.9	60.5	62.0	63.3	64.5	65.6
90	37.8	40.6	43.4	46.2	49.5	52.3	54.7	56.8	58.6	60.2	61.7	63.0	64.2	65.3
100	37.6	40.4	43.2	46.0	49.3	52.1	54.5	56.6	58.4	60.0	61.4	62.8	64.0	65.1
110	37.4	40.2	43.0	45.8	49.0	51.9	54.3	56.4	58.2	59.8	61.2	62.5	63.7	64.9
120	37.2	40.0	42.8	45.6	48.8	51.7	54.1	56.2	58.0	59.6	61.0	62.3	63.5	64.6
130	37.0	39.8	42.6	45.4	48.6	51.5	53.9	55.9	57.7	59.3	60.8	62.1	63.3	64.4
140	36.8	39.6	42.4	45.2	48.4	51.3	53.7	55.7	57.5	59.1	60.6	61.9	63.1	64.2
150	36.6	39.4	42.2	45.0	48.2	51.0	53.4	55.5	57.3	58.9	60.3	61.6	62.8	63.9
160	36.4	39.2	42.0	44.8	48.0	50.8	53.2	55.3	57.1	58.7	60.1	61.4	62.6	63.7
170	36.4	39.1	41.8	44.5	47.8	50.6	53.0	55.1	56.9	58.5	59.9	61.2	62.4	63.5
180	35.9	38.7	41.5	44.3	47.6	50.4	52.8	54.9	56.7	58.2	59.7	61.0	62.2	63.3
190	35.7	38.5	41.3	44.1	47.4	50.2	52.6	54.6	56.4	58.0	59.5	60.8	62.0	63.1
200	35.5	38.3	41.1	43.9	47.2	50.0	52.4	54.4	56.2	57.8	59.3	60.6	61.7	62.8
210	35.3	38.1	40.9	43.7	47.0	49.8	52.2	54.2	56.0	57.6	59.1	60.4	61.5	62.6
220	35.1	37.9	40.7	43.5	46.8	49.6	52.0	54.0	55.8	57.4	58.9	60.2	61.3	62.4
230	34.9	37.7	40.5	43.3	46.6	49.4	51.8	53.8	55.6	57.2	58.7	60.0	61.2	62.2
240	34.7	37.7	40.4	43.1	46.4	49.2	51.6	53.7	55.4	57.0	58.5	59.8	61.0	62.1
250	34.6	37.4	40.2	43.0	46.2	49.0	51.4	53.5	55.3	56.9	58.3	59.6	60.8	61.9
260	34.4	37.2	40.0	42.8	46.0	48.8	51.2	53.3	55.1	56.7	58.1	59.4	60.6	61.7
270	34.2	37.0	39.8	42.6	45.8	48.7	51.0	53.1	54.9	56.5	57.9	59.2	60.4	61.5
280	34.0	36.8	39.6	42.4	45.7	48.5	50.9	52.9	54.7	56.3	57.7	59.0	60.2	61.3
290	33.9	36.8	39.5	42.2	45.5	48.3	50.7	52.8	54.6	56.1	57.6	58.9	60.1	61.2
300	33.7	36.5	39.3	42.1	45.3	48.1	50.5	52.6	54.4	56.0	57.4	58.7	59.9	61.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 180. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	37.9	40.7	43.5	46.3	49.6	52.4	54.8	56.9	58.7	60.3	61.7	63.0	64.2	65.3
50	38.4	41.2	44.0	46.8	50.0	52.9	55.3	57.4	59.2	60.8	62.2	63.5	64.7	65.9
60	38.6	41.4	44.2	47.0	50.2	53.0	55.4	57.5	59.3	60.9	62.3	63.6	64.8	65.9
70	37.9	40.7	43.5	46.3	49.5	52.4	54.8	56.8	58.6	60.2	61.7	63.0	64.2	65.3
80	37.3	40.1	42.9	45.7	49.0	51.8	54.2	56.3	58.1	59.7	61.2	62.5	63.7	64.8
90	37.0	39.8	42.6	45.4	48.6	51.5	53.9	56.0	57.8	59.4	60.9	62.2	63.4	64.5
100	36.5	39.4	42.3	45.2	48.4	51.3	53.7	55.7	57.6	59.2	60.6	62.0	63.2	64.3
110	36.3	39.2	42.1	45.0	48.2	51.1	53.5	55.5	57.4	59.0	60.4	61.7	62.9	64.1
120	36.3	39.2	42.0	44.8	48.0	50.9	53.3	55.3	57.2	58.8	60.2	61.5	62.7	63.8
130	36.2	39.0	41.8	44.6	47.8	50.7	53.1	55.1	57.0	58.6	60.0	61.3	62.5	63.6
140	36.0	38.8	41.6	44.4	47.6	50.5	52.9	54.9	56.8	58.4	59.8	61.1	62.3	63.4
150	35.8	38.6	41.4	44.2	47.4	50.3	52.7	54.7	56.5	58.1	59.6	60.9	62.1	63.2
160	35.6	38.4	41.2	44.0	47.2	50.1	52.5	54.5	56.3	57.9	59.4	60.7	61.9	63.0
170	35.4	38.2	41.0	43.8	47.0	49.9	52.3	54.3	56.1	57.7	59.2	60.5	61.7	62.8
180	35.2	38.0	40.8	43.6	46.8	49.7	52.1	54.1	55.9	57.5	59.0	60.3	61.4	62.6
190	35.0	37.8	40.6	43.4	46.6	49.5	51.9	53.9	55.7	57.3	58.7	60.1	61.2	62.3
200	34.8	37.6	40.4	43.2	46.4	49.3	51.7	53.7	55.5	57.1	58.5	59.8	61.0	62.1
210	34.6	37.4	40.2	43.0	46.2	49.1	51.5	53.5	55.3	56.9	58.3	59.7	60.8	61.9
220	34.4	37.2	40.0	42.8	46.0	48.9	51.3	53.3	55.1	56.7	58.2	59.5	60.6	61.8
230	34.2	37.0	39.8	42.6	45.9	48.7	51.1	53.1	54.9	56.5	58.0	59.3	60.5	61.6
240	34.0	36.8	39.6	42.4	45.7	48.5	50.9	52.9	54.7	56.3	57.8	59.1	60.3	61.4
250	33.9	36.8	39.5	42.2	45.5	48.3	50.7	52.8	54.6	56.2	57.6	58.9	60.1	61.2
260	33.7	36.5	39.3	42.1	45.3	48.1	50.5	52.6	54.4	56.0	57.4	58.7	59.9	61.0
270	33.5	36.3	39.1	41.9	45.1	48.0	50.4	52.4	54.2	55.8	57.2	58.5	59.7	60.8
280	33.3	36.1	38.9	41.7	45.0	47.8	50.2	52.2	54.0	55.6	57.1	58.4	59.6	60.7
290	33.2	36.0	38.8	41.6	44.8	47.6	50.0	52.1	53.9	55.5	56.9	58.2	59.4	60.5
300	33.0	35.8	38.6	41.4	44.6	47.5	49.8	51.9	53.7	55.3	56.7	58.0	59.2	60.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 181. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Hard ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	61.0	63.7	66.4	69.1	72.3	75.1	77.5	79.5	81.2	82.8	84.2	85.4	86.6	87.7
20	58.6	61.4	64.2	67.0	70.1	72.9	75.3	77.3	79.0	80.6	82.0	83.2	84.4	85.4
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	37.2	40.0	42.8	45.6	48.8	51.7	54.1	56.1	57.9	59.5	61.0	62.3	63.5	64.6
50	37.7	40.5	43.3	46.1	49.3	52.2	54.6	56.7	58.5	60.1	61.5	62.9	64.1	65.2
60	37.9	40.7	43.5	46.3	49.6	52.4	54.8	56.8	58.7	60.2	61.7	63.0	64.2	65.3
70	37.2	40.0	42.8	45.6	48.9	51.7	54.1	56.2	58.0	59.6	61.1	62.4	63.6	64.7
80	36.6	39.4	42.2	45.0	48.3	51.1	53.5	55.6	57.4	59.0	60.5	61.8	63.0	64.2
90	36.2	39.0	41.8	44.6	47.9	50.7	53.2	55.2	57.1	58.7	60.1	61.5	62.7	63.8
100	36.0	38.8	41.6	44.4	47.6	50.5	52.9	55.0	56.8	58.4	59.9	61.2	62.4	63.5
110	35.8	38.6	41.4	44.2	47.4	50.3	52.7	54.8	56.6	58.2	59.7	61.0	62.2	63.3
120	35.6	38.4	41.2	44.0	47.3	50.1	52.5	54.6	56.4	58.0	59.5	60.8	62.0	63.1
130	35.4	38.2	41.0	43.8	47.1	49.9	52.3	54.4	56.2	57.8	59.3	60.6	61.8	62.9
140	35.2	38.0	40.8	43.6	46.9	49.7	52.1	54.2	56.0	57.6	59.1	60.4	61.6	62.7
150	35.0	37.8	40.6	43.4	46.7	49.5	51.9	54.0	55.8	57.4	58.9	60.2	61.4	62.5
160	34.8	37.6	40.4	43.2	46.5	49.3	51.7	53.8	55.6	57.2	58.7	60.0	61.2	62.3
170	34.7	37.5	40.3	43.1	46.3	49.1	51.5	53.6	55.4	57.0	58.5	59.8	61.0	62.1
180	34.5	37.3	40.1	42.9	46.1	48.9	51.3	53.4	55.2	56.8	58.3	59.6	60.8	61.9
190	34.3	37.1	39.9	42.7	45.9	48.7	51.1	53.2	55.0	56.6	58.1	59.4	60.6	61.7
200	34.1	36.9	39.7	42.5	45.7	48.6	51.0	53.0	54.8	56.4	57.9	59.2	60.4	61.5
210	33.9	36.7	39.5	42.3	45.5	48.4	50.8	52.8	54.6	56.2	57.7	59.0	60.2	61.3
220	33.7	36.5	39.3	42.1	45.3	48.2	50.6	52.6	54.4	56.0	57.5	58.8	60.0	61.1
230	33.5	36.3	39.1	41.9	45.2	48.0	50.4	52.5	54.3	55.9	57.3	58.6	59.8	60.9
240	33.3	36.1	38.9	41.7	45.0	47.8	50.2	52.3	54.1	55.7	57.1	58.4	59.6	60.7
250	33.2	36.0	38.8	41.6	44.8	47.6	50.0	52.1	53.9	55.5	56.9	58.2	59.4	60.5
260	33.0	35.8	38.6	41.4	44.6	47.5	49.9	51.9	53.7	55.3	56.8	58.1	59.3	60.4
270	32.8	35.6	38.4	41.2	44.5	47.3	49.7	51.7	53.5	55.1	56.6	57.9	59.1	60.2
280	32.6	35.4	38.2	41.0	44.3	47.1	49.5	51.6	53.4	55.0	56.4	57.7	58.9	60.0
290	32.5	35.3	38.1	40.9	44.1	46.9	49.4	51.4	53.2	54.8	56.3	57.6	58.8	59.9
300	32.3	35.1	37.9	40.7	44.0	46.8	49.2	51.2	53.1	54.6	56.1	57.4	58.6	59.7

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 182. 2 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	43.0	45.8	48.6	51.4	54.6	57.5	59.9	62.0	63.8	65.4	66.9	68.2	69.5	70.6
50	42.1	44.9	47.7	50.5	53.8	56.7	59.1	61.2	63.0	64.7	66.1	67.5	68.7	69.9
60	41.4	44.3	47.2	50.1	53.3	56.2	58.7	60.8	62.6	64.2	65.7	67.1	68.3	69.4
70	40.4	43.3	46.2	49.1	52.3	55.2	57.7	59.8	61.6	63.3	64.7	66.1	67.3	68.5
80	39.9	42.7	45.5	48.3	51.6	54.5	57.0	59.1	60.9	62.6	64.0	65.4	66.6	67.8
90	39.0	41.9	44.8	47.7	51.0	53.9	56.3	58.4	60.3	61.9	63.4	64.8	66.0	67.2
100	38.4	41.3	44.2	47.1	50.4	53.2	55.7	57.8	59.7	61.3	62.8	64.2	65.4	66.6
110	38.1	40.9	43.7	46.5	49.8	52.7	55.2	57.3	59.1	60.8	62.3	63.6	64.9	66.0
120	37.6	40.4	43.2	46.0	49.3	52.2	54.7	56.8	58.6	60.3	61.8	63.2	64.4	65.6
130	36.9	39.8	42.7	45.6	48.9	51.7	54.2	56.3	58.2	59.9	61.4	62.7	64.0	65.1
140	36.7	39.5	42.3	45.1	48.4	51.3	53.8	55.9	57.8	59.4	60.9	62.3	63.6	64.7
150	36.3	39.1	41.9	44.7	48.0	50.9	53.4	55.5	57.4	59.1	60.6	61.9	63.2	64.3
160	35.7	38.6	41.5	44.4	47.7	50.6	53.0	55.2	57.0	58.7	60.2	61.6	62.8	64.0
170	35.6	38.4	41.2	44.0	47.3	50.2	52.7	54.8	56.7	58.4	59.9	61.2	62.5	63.7
180	35.3	38.1	40.9	43.7	47.0	49.9	52.4	54.5	56.4	58.1	59.6	60.9	62.2	63.4
190	35.0	37.8	40.6	43.4	46.7	49.6	52.1	54.2	56.1	57.8	59.3	60.6	61.9	63.1
200	34.5	37.4	40.3	43.2	46.5	49.4	51.8	54.0	55.8	57.5	59.0	60.4	61.6	62.8
210	34.2	37.1	40.0	42.9	46.2	49.1	51.6	53.7	55.6	57.3	58.8	60.1	61.4	62.5
220	34.0	36.9	39.8	42.7	46.0	48.9	51.3	53.5	55.3	57.0	58.5	59.9	61.1	62.3
230	34.0	36.8	39.6	42.4	45.7	48.6	51.1	53.2	55.1	56.8	58.3	59.7	60.9	62.1
240	33.5	36.4	39.3	42.2	45.5	48.4	50.9	53.0	54.9	56.6	58.1	59.4	60.7	61.9
250	33.3	36.2	39.1	42.0	45.3	48.2	50.7	52.8	54.7	56.4	57.9	59.2	60.5	61.7
260	33.3	36.2	39.0	41.8	45.1	48.0	50.5	52.7	54.5	56.2	57.7	59.1	60.3	61.5
270	33.2	36.0	38.8	41.6	44.9	47.8	50.3	52.4	54.3	56.0	57.5	58.9	60.1	61.3
280	33.0	35.8	38.6	41.4	44.8	47.7	50.1	52.3	54.1	55.8	57.3	58.7	59.9	61.1
290	32.6	35.5	38.4	41.3	44.6	47.5	50.0	52.1	54.0	55.6	57.1	58.5	59.8	60.9
300	32.4	35.3	38.2	41.1	44.4	47.3	49.8	51.9	53.8	55.5	57.0	58.3	59.6	60.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 183. 3 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	41.4	44.2	47.0	49.8	53.1	55.9	58.4	60.5	62.3	63.9	65.4	66.7	67.9	69.1
50	40.4	43.3	46.2	49.1	52.3	55.2	57.7	59.8	61.6	63.2	64.7	66.0	67.3	68.4
60	40.2	43.1	46.0	48.9	52.2	55.0	57.5	59.6	61.4	63.1	64.5	65.9	67.1	68.3
70	39.4	42.2	45.0	47.8	51.1	54.0	56.4	58.6	60.4	62.0	63.5	64.9	66.1	67.3
80	38.8	41.6	44.4	47.2	50.5	53.4	55.9	58.0	59.8	61.5	62.9	64.3	65.5	66.7
90	38.0	40.9	43.8	46.7	50.0	52.8	55.3	57.4	59.3	60.9	62.4	63.7	65.0	66.1
100	37.7	40.5	43.3	46.1	49.4	52.3	54.8	56.9	58.7	60.4	61.9	63.2	64.5	65.6
110	37.2	40.0	42.8	45.6	48.9	51.8	54.3	56.4	58.3	59.9	61.4	62.8	64.0	65.2
120	36.5	39.4	42.3	45.2	48.5	51.4	53.8	55.9	57.8	59.5	60.9	62.3	63.6	64.7
130	36.3	39.1	41.9	44.7	48.0	50.9	53.4	55.5	57.4	59.0	60.5	61.9	63.1	64.3
140	35.9	38.7	41.5	44.3	47.6	50.5	53.0	55.1	57.0	58.6	60.1	61.5	62.7	63.9
150	35.5	38.3	41.1	43.9	47.2	50.1	52.6	54.7	56.6	58.3	59.8	61.1	62.4	63.5
160	34.9	37.8	40.7	43.6	46.9	49.8	52.3	54.4	56.2	57.9	59.4	60.8	62.0	63.2
170	34.8	37.6	40.4	43.2	46.6	49.5	51.9	54.1	55.9	57.6	59.1	60.4	61.7	62.9
180	34.3	37.2	40.1	43.0	46.3	49.2	51.7	53.8	55.7	57.3	58.8	60.2	61.4	62.6
190	34.0	36.9	39.8	42.7	46.0	48.9	51.3	53.5	55.3	57.0	58.5	59.9	61.1	62.3
200	34.0	36.8	39.6	42.4	45.7	48.6	51.1	53.2	55.1	56.8	58.3	59.6	60.9	62.1
210	33.5	36.4	39.3	42.2	45.5	48.4	50.9	53.0	54.9	56.5	58.0	59.4	60.7	61.8
220	33.2	36.1	39.0	41.9	45.2	48.1	50.6	52.7	54.6	56.2	57.7	59.1	60.4	61.5
230	33.2	36.0	38.8	41.6	45.0	47.9	50.3	52.5	54.3	56.0	57.5	58.9	60.1	61.3
240	33.0	35.8	38.6	41.4	44.7	47.6	50.1	52.3	54.1	55.8	57.3	58.7	59.9	61.1
250	32.8	35.6	38.4	41.2	44.5	47.4	49.9	52.0	53.9	55.6	57.1	58.5	59.7	60.9
260	32.4	35.3	38.2	41.1	44.4	47.3	49.8	51.9	53.8	55.4	56.9	58.3	59.6	60.7
270	32.4	35.2	38.0	40.8	44.2	47.1	49.5	51.7	53.5	55.2	56.7	58.1	59.3	60.5
280	32.0	34.9	37.8	40.7	44.0	46.9	49.3	51.5	53.4	55.0	56.5	57.9	59.2	60.3
290	31.8	34.7	37.6	40.5	43.8	46.7	49.2	51.3	53.2	54.9	56.4	57.7	59.0	60.2
300	31.6	34.5	37.4	40.3	43.6	46.5	49.0	51.1	53.0	54.7	56.2	57.6	58.8	60.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 184. 4 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	39.9	42.8	45.7	48.6	51.8	54.7	57.1	59.2	61.1	62.7	64.2	65.5	66.7	67.9
50	39.4	42.3	45.2	48.1	51.3	54.2	56.6	58.7	60.6	62.2	63.7	65.0	66.3	67.4
60	38.8	41.7	44.6	47.5	50.8	53.6	56.1	58.2	60.0	61.7	63.1	64.5	65.7	66.9
70	38.2	41.1	44.0	46.9	50.2	53.0	55.5	57.6	59.4	61.1	62.6	63.9	65.1	66.3
80	37.9	40.7	43.5	46.3	49.6	52.5	54.9	57.0	58.9	60.5	62.0	63.4	64.6	65.8
90	37.1	40.0	42.9	45.8	49.1	52.0	54.4	56.5	58.4	60.0	61.5	62.9	64.1	65.3
100	36.9	39.7	42.5	45.3	48.6	51.5	53.9	56.1	57.9	59.6	61.0	62.4	63.6	64.8
110	36.4	39.2	42.0	44.8	48.1	51.0	53.5	55.6	57.5	59.1	60.6	62.0	63.2	64.4
120	35.7	38.6	41.5	44.4	47.7	50.6	53.0	55.2	57.0	58.7	60.2	61.5	62.8	63.9
130	35.3	38.2	41.1	44.0	47.3	50.2	52.6	54.8	56.6	58.3	59.8	61.1	62.4	63.5
140	34.9	37.8	40.7	43.6	46.9	49.8	52.2	54.4	56.2	57.9	59.4	60.7	62.0	63.2
150	34.6	37.5	40.4	43.3	46.6	49.5	51.9	54.1	55.9	57.6	59.1	60.4	61.7	62.9
160	34.5	37.3	40.1	42.9	46.2	49.1	51.6	53.7	55.6	57.2	58.7	60.1	61.4	62.5
170	34.1	36.9	39.7	42.5	45.8	48.7	51.2	53.3	55.2	56.9	58.4	59.7	61.0	62.1
180	33.8	36.6	39.4	42.2	45.5	48.4	50.9	53.0	54.9	56.6	58.1	59.4	60.7	61.8
190	33.5	36.3	39.1	41.9	45.3	48.2	50.6	52.8	54.6	56.3	57.8	59.1	60.4	61.6
200	33.0	35.9	38.8	41.7	45.0	47.9	50.4	52.5	54.4	56.0	57.5	58.9	60.1	61.3
210	33.0	35.8	38.6	41.4	44.7	47.6	50.1	52.2	54.1	55.8	57.3	58.6	59.9	61.1
220	32.5	35.4	38.3	41.2	44.5	47.4	49.9	52.0	53.9	55.5	57.0	58.4	59.7	60.8
230	32.3	35.2	38.1	41.0	44.3	47.2	49.6	51.8	53.6	55.3	56.8	58.2	59.4	60.6
240	32.3	35.1	37.9	40.7	44.1	47.0	49.4	51.6	53.4	55.1	56.6	58.0	59.2	60.4
250	32.1	34.9	37.7	40.5	43.8	46.7	49.2	51.4	53.2	54.9	56.4	57.8	59.0	60.2
260	31.9	34.7	37.5	40.3	43.6	46.5	49.0	51.2	53.0	54.7	56.2	57.6	58.8	60.0
270	31.7	34.5	37.3	40.1	43.5	46.4	48.8	51.0	52.8	54.5	56.0	57.4	58.6	59.8
280	31.3	34.2	37.1	40.0	43.3	46.2	48.6	50.8	52.7	54.3	55.8	57.2	58.5	59.6
290	31.1	34.0	36.9	39.8	43.1	46.0	48.5	50.6	52.5	54.1	55.7	57.0	58.3	59.5
300	30.9	33.8	36.7	39.6	42.9	45.8	48.3	50.4	52.3	54.0	55.5	56.9	58.1	59.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 185. 5 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	39.2	42.0	44.8	47.6	50.9	53.7	56.2	58.3	60.1	61.7	63.2	64.5	65.7	66.9
50	38.7	41.6	44.5	47.4	50.6	53.5	55.9	58.0	59.8	61.5	62.9	64.3	65.5	66.6
60	38.6	41.4	44.2	47.0	50.3	53.1	55.6	57.7	59.5	61.2	62.6	64.0	65.2	66.3
70	37.7	40.5	43.3	46.1	49.4	52.3	54.8	56.9	58.7	60.3	61.8	63.2	64.4	65.6
80	37.1	39.9	42.7	45.5	48.8	51.7	54.1	56.2	58.1	59.7	61.2	62.6	63.8	65.0
90	36.6	39.4	42.2	45.0	48.3	51.2	53.6	55.8	57.6	59.3	60.7	62.1	63.3	64.5
100	35.9	38.8	41.7	44.6	47.9	50.7	53.2	55.3	57.2	58.8	60.3	61.6	62.9	64.0
110	35.7	38.5	41.3	44.1	47.4	50.3	52.8	54.9	56.7	58.4	59.9	61.2	62.5	63.6
120	35.0	37.9	40.8	43.7	47.0	49.9	52.3	54.4	56.3	57.9	59.4	60.8	62.0	63.2
130	34.6	37.5	40.4	43.3	46.6	49.5	51.9	54.0	55.9	57.5	59.0	60.4	61.6	62.8
140	34.2	37.1	40.0	42.9	46.2	49.1	51.5	53.7	55.5	57.2	58.7	60.0	61.3	62.4
150	34.1	36.9	39.7	42.5	45.8	48.7	51.2	53.3	55.2	56.8	58.3	59.7	60.9	62.1
160	33.5	36.4	39.3	42.2	45.5	48.4	50.8	53.0	54.8	56.5	58.0	59.3	60.6	61.8
170	33.2	36.1	39.0	41.9	45.2	48.1	50.5	52.7	54.5	56.2	57.7	59.0	60.3	61.5
180	32.9	35.8	38.7	41.6	44.9	47.8	50.2	52.4	54.2	55.9	57.4	58.8	60.0	61.2
190	32.6	35.5	38.4	41.3	44.6	47.5	50.0	52.1	54.0	55.6	57.1	58.5	59.7	60.9
200	32.6	35.4	38.2	41.0	44.3	47.2	49.7	51.8	53.7	55.4	56.9	58.2	59.5	60.6
210	32.1	35.0	37.9	40.8	44.1	47.0	49.5	51.6	53.5	55.1	56.6	58.0	59.2	60.4
220	32.1	34.9	37.7	40.5	43.9	46.7	49.2	51.3	53.2	54.9	56.4	57.7	59.0	60.2
230	31.6	34.5	37.4	40.3	43.6	46.5	49.0	51.1	53.0	54.7	56.2	57.5	58.8	59.9
240	31.4	34.3	37.2	40.1	43.4	46.3	48.8	50.9	52.8	54.4	55.9	57.3	58.6	59.7
250	31.2	34.1	37.0	39.9	43.2	46.1	48.6	50.7	52.6	54.2	55.7	57.1	58.4	59.5
260	31.0	33.9	36.8	39.7	43.0	45.9	48.4	50.5	52.4	54.0	55.5	56.9	58.2	59.3
270	30.8	33.7	36.6	39.5	42.8	45.7	48.2	50.3	52.2	53.8	55.3	56.7	58.0	59.1
280	30.6	33.5	36.4	39.3	42.6	45.5	48.0	50.1	52.0	53.7	55.2	56.5	57.8	59.0
290	30.7	33.5	36.3	39.1	42.4	45.3	47.8	49.9	51.8	53.5	55.0	56.4	57.6	58.8
300	30.3	33.2	36.1	39.0	42.3	45.2	47.6	49.8	51.6	53.3	54.8	56.2	57.4	58.6

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 186. 6 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	38.1	41.0	43.9	46.8	50.0	52.9	55.3	57.4	59.2	60.8	62.3	63.6	64.8	66.0
50	38.3	41.1	43.9	46.7	50.0	52.9	55.3	57.4	59.2	60.8	62.3	63.6	64.8	65.9
60	38.1	40.9	43.7	46.5	49.8	52.6	55.0	57.1	59.0	60.6	62.1	63.4	64.6	65.8
70	37.0	39.8	42.6	45.4	48.7	51.6	54.0	56.1	58.0	59.6	61.1	62.4	63.6	64.8
80	36.4	39.2	42.0	44.8	48.1	51.0	53.4	55.5	57.4	59.0	60.5	61.9	63.1	64.2
90	35.9	38.7	41.5	44.3	47.6	50.5	53.0	55.1	56.9	58.6	60.0	61.4	62.6	63.8
100	35.5	38.3	41.1	43.9	47.2	50.1	52.5	54.6	56.5	58.1	59.6	61.0	62.2	63.4
110	35.0	37.8	40.6	43.4	46.7	49.6	52.1	54.2	56.0	57.7	59.2	60.5	61.8	62.9
120	34.6	37.4	40.2	43.0	46.3	49.2	51.7	53.8	55.6	57.3	58.8	60.1	61.4	62.5
130	34.2	37.0	39.8	42.6	45.9	48.8	51.3	53.4	55.2	56.9	58.4	59.7	61.0	62.1
140	33.6	36.5	39.4	42.3	45.5	48.4	50.9	53.0	54.9	56.5	58.0	59.4	60.6	61.8
150	33.5	36.3	39.1	41.9	45.2	48.1	50.5	52.7	54.5	56.2	57.7	59.0	60.3	61.4
160	32.9	35.8	38.7	41.6	44.9	47.8	50.2	52.3	54.2	55.9	57.4	58.7	60.0	61.1
170	32.6	35.5	38.4	41.3	44.6	47.5	49.9	52.0	53.9	55.6	57.0	58.4	59.7	60.8
180	32.3	35.2	38.1	41.0	44.3	47.2	49.6	51.8	53.6	55.3	56.8	58.1	59.4	60.5
190	32.0	34.9	37.8	40.7	44.0	46.9	49.4	51.5	53.3	55.0	56.5	57.9	59.1	60.3
200	32.0	34.8	37.6	40.4	43.7	46.6	49.1	51.2	53.1	54.7	56.2	57.6	58.9	60.0
210	31.5	34.4	37.3	40.2	43.5	46.4	48.8	51.0	52.8	54.5	56.0	57.4	58.6	59.8
220	31.5	34.3	37.1	39.9	43.2	46.1	48.6	50.7	52.6	54.3	55.8	57.1	58.4	59.5
230	31.0	33.9	36.8	39.7	43.0	45.9	48.4	50.5	52.4	54.0	55.5	56.9	58.1	59.3
240	30.8	33.7	36.6	39.5	42.8	45.7	48.1	50.3	52.1	53.8	55.3	56.7	57.9	59.1
250	30.6	33.5	36.4	39.3	42.6	45.5	47.9	50.1	51.9	53.6	55.1	56.5	57.7	58.9
260	30.4	33.3	36.2	39.1	42.4	45.3	47.7	49.9	51.7	53.4	54.9	56.3	57.5	58.7
270	30.2	33.1	36.0	38.9	42.2	45.1	47.5	49.7	51.5	53.2	54.7	56.1	57.3	58.5
280	30.0	32.9	35.8	38.7	42.0	44.9	47.4	49.5	51.4	53.0	54.5	55.9	57.2	58.3
290	29.8	32.7	35.6	38.5	41.8	44.7	47.2	49.3	51.2	52.8	54.3	55.7	57.0	58.1
300	29.7	32.7	35.5	38.3	41.6	44.5	47.0	49.1	51.0	52.7	54.2	55.5	56.8	58.0

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 187. 7 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	37.6	40.4	43.2	46.0	49.3	52.1	54.5	56.6	58.4	60.1	61.5	62.8	64.1	65.2
50	37.7	40.5	43.3	46.1	49.4	52.2	54.7	56.7	58.6	60.2	61.6	63.0	64.2	65.3
60	37.6	40.4	43.2	46.0	49.2	52.1	54.5	56.6	58.4	60.0	61.5	62.8	64.1	65.2
70	36.5	39.3	42.1	44.9	48.2	51.0	53.5	55.6	57.4	59.0	60.5	61.8	63.1	64.2
80	35.8	38.6	41.4	44.2	47.5	50.4	52.8	54.9	56.8	58.4	59.9	61.2	62.5	63.6
90	35.3	38.1	40.9	43.7	47.0	49.9	52.3	54.4	56.3	57.9	59.4	60.7	62.0	63.1
100	34.8	37.6	40.4	43.2	46.5	49.4	51.9	54.0	55.8	57.5	58.9	60.3	61.5	62.7
110	34.4	37.2	40.0	42.8	46.1	49.0	51.4	53.5	55.4	57.0	58.5	59.9	61.1	62.3
120	34.0	36.8	39.6	42.4	45.7	48.6	51.0	53.1	55.0	56.6	58.1	59.5	60.7	61.9
130	33.6	36.4	39.2	42.0	45.3	48.2	50.6	52.8	54.6	56.3	57.8	59.1	60.3	61.5
140	33.0	35.9	38.8	41.7	45.0	47.8	50.3	52.4	54.3	55.9	57.4	58.8	60.0	61.2
150	32.9	35.7	38.5	41.3	44.6	47.5	50.0	52.1	53.9	55.6	57.1	58.4	59.7	60.8
160	32.3	35.2	38.1	41.0	44.3	47.2	49.6	51.8	53.6	55.3	56.8	58.1	59.4	60.5
170	32.0	34.9	37.8	40.7	44.0	46.9	49.3	51.5	53.3	55.0	56.5	57.8	59.1	60.2
180	31.7	34.6	37.5	40.4	43.7	46.6	49.0	51.2	53.0	54.7	56.2	57.5	58.8	59.9
190	31.7	34.5	37.3	40.1	43.4	46.3	48.8	50.9	52.8	54.4	55.9	57.3	58.5	59.7
200	31.4	34.2	37.0	39.8	43.2	46.0	48.5	50.6	52.5	54.2	55.6	57.0	58.3	59.4
210	30.9	33.8	36.7	39.6	42.9	45.8	48.3	50.4	52.2	53.9	55.4	56.8	58.0	59.2
220	30.9	33.7	36.5	39.3	42.7	45.5	48.0	50.1	52.0	53.7	55.2	56.5	57.8	58.9
230	30.7	33.5	36.3	39.1	42.4	45.3	47.8	49.9	51.8	53.4	54.9	56.3	57.6	58.7
240	30.2	33.1	36.0	38.9	42.2	45.1	47.6	49.7	51.6	53.2	54.7	56.1	57.3	58.5
250	30.0	32.9	35.8	38.7	42.0	44.9	47.4	49.5	51.3	53.0	54.5	55.9	57.1	58.3
260	29.8	32.7	35.6	38.5	41.8	44.7	47.1	49.3	51.1	52.8	54.3	55.7	56.9	58.1
270	29.6	32.5	35.4	38.3	41.6	44.5	47.0	49.1	51.0	52.6	54.1	55.5	56.7	57.9
280	29.4	32.3	35.2	38.1	41.4	44.3	46.8	48.9	50.8	52.4	53.9	55.3	56.6	57.7
290	29.2	32.1	35.0	37.9	41.2	44.1	46.6	48.7	50.6	52.2	53.7	55.1	56.4	57.5
300	29.1	32.1	34.9	37.7	41.0	43.9	46.4	48.5	50.4	52.1	53.6	54.9	56.2	57.4

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 188. 8 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	36.9	39.7	42.5	45.3	48.5	51.4	53.8	55.9	57.7	59.3	60.7	62.1	63.3	64.4
50	37.1	39.9	42.7	45.5	48.7	51.6	54.0	56.1	57.9	59.5	61.0	62.3	63.5	64.7
60	36.9	39.7	42.5	45.3	48.5	51.4	53.8	55.9	57.7	59.3	60.8	62.1	63.3	64.5
70	36.0	38.8	41.6	44.4	47.7	50.5	53.0	55.1	56.9	58.5	60.0	61.3	62.5	63.7
80	35.0	37.9	40.8	43.7	46.9	49.8	52.2	54.3	56.2	57.8	59.3	60.6	61.9	63.0
90	34.7	37.5	40.3	43.1	46.4	49.3	51.7	53.8	55.7	57.3	58.8	60.1	61.4	62.5
100	34.2	37.0	39.8	42.6	45.9	48.8	51.2	53.3	55.2	56.8	58.3	59.7	60.9	62.1
110	33.8	36.6	39.4	42.2	45.5	48.4	50.8	52.9	54.8	56.4	57.9	59.3	60.5	61.7
120	33.4	36.2	39.0	41.8	45.1	48.0	50.4	52.5	54.4	56.0	57.5	58.9	60.1	61.3
130	33.0	35.8	38.6	41.4	44.7	47.6	50.1	52.2	54.0	55.7	57.2	58.5	59.8	60.9
140	32.4	35.3	38.2	41.1	44.4	47.3	49.7	51.8	53.7	55.3	56.8	58.2	59.4	60.6
150	32.1	35.0	37.9	40.8	44.1	46.9	49.4	51.5	53.4	55.0	56.5	57.9	59.1	60.3
160	32.0	34.8	37.6	40.4	43.7	46.6	49.1	51.2	53.1	54.7	56.2	57.5	58.8	59.9
170	31.7	34.5	37.3	40.1	43.4	46.3	48.8	50.9	52.8	54.4	55.9	57.3	58.5	59.7
180	31.4	34.2	37.0	39.8	43.1	46.0	48.5	50.6	52.5	54.1	55.6	57.0	58.2	59.4
190	30.9	33.8	36.7	39.6	42.9	45.8	48.2	50.3	52.2	53.9	55.3	56.7	58.0	59.1
200	30.6	33.5	36.4	39.3	42.6	45.5	48.0	50.1	51.9	53.6	55.1	56.4	57.7	58.9
210	30.6	33.4	36.2	39.0	42.4	45.2	47.7	49.8	51.7	53.3	54.8	56.2	57.5	58.6
220	30.1	33.0	35.9	38.8	42.1	45.0	47.5	49.6	51.4	53.1	54.6	56.0	57.2	58.4
230	29.9	32.8	35.7	38.6	41.9	44.8	47.2	49.4	51.2	52.9	54.4	55.7	57.0	58.1
240	29.9	32.7	35.5	38.3	41.6	44.5	47.0	49.1	51.0	52.7	54.2	55.5	56.8	57.9
250	29.7	32.5	35.3	38.1	41.4	44.3	46.8	48.9	50.8	52.4	53.9	55.3	56.6	57.7
260	29.5	32.3	35.1	37.9	41.2	44.1	46.6	48.7	50.6	52.2	53.7	55.1	56.4	57.5
270	29.3	32.1	34.9	37.7	41.0	43.9	46.4	48.5	50.4	52.1	53.6	54.9	56.2	57.3
280	29.1	31.9	34.7	37.5	40.9	43.7	46.2	48.3	50.2	51.9	53.4	54.7	56.0	57.2
290	28.7	31.6	34.5	37.4	40.7	43.6	46.0	48.2	50.0	51.7	53.2	54.6	55.8	57.0
300	28.5	31.4	34.3	37.2	40.5	43.4	45.9	48.0	49.9	51.5	53.0	54.4	55.6	56.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 189. 9 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	36.1	38.9	41.7	44.5	48.5	50.6	53.0	55.1	56.9	58.5	60.0	61.3	62.5	63.6
50	36.4	39.2	42.0	44.8	48.7	51.0	53.4	55.5	57.3	58.9	60.4	61.7	62.9	64.1
60	36.5	39.3	42.1	44.9	48.6	51.0	53.4	55.5	57.3	58.9	60.3	61.7	62.9	64.0
70	35.5	38.3	41.1	43.9	47.7	50.0	52.5	54.5	56.4	58.0	59.4	60.8	62.0	63.1
80	34.7	37.5	40.3	43.1	46.9	49.3	51.7	53.8	55.7	57.3	58.8	60.1	61.3	62.5
90	33.9	36.8	39.7	42.6	46.4	48.7	51.1	53.3	55.1	56.7	58.2	59.6	60.8	61.9
100	33.4	36.3	39.2	42.1	45.9	48.2	50.7	52.8	54.6	56.3	57.7	59.1	60.3	61.5
110	33.2	36.0	38.8	41.6	45.5	47.8	50.2	52.4	54.2	55.9	57.3	58.7	59.9	61.1
120	32.8	35.6	38.4	41.2	45.1	47.4	49.9	52.0	53.8	55.5	57.0	58.3	59.5	60.7
130	32.2	35.1	38.0	40.9	44.7	47.1	49.5	51.6	53.5	55.1	56.6	58.0	59.2	60.4
140	32.1	34.9	37.7	40.5	44.4	46.7	49.2	51.3	53.1	54.8	56.3	57.6	58.9	60.0
150	31.8	34.6	37.4	40.2	44.1	46.4	48.8	51.0	52.8	54.5	56.0	57.3	58.5	59.7
160	31.2	34.1	37.0	39.9	43.7	46.1	48.5	50.7	52.5	54.2	55.6	57.0	58.2	59.4
170	30.9	33.8	36.7	39.6	43.4	45.8	48.2	50.4	52.2	53.9	55.3	56.7	58.0	59.1
180	30.9	33.7	36.5	39.3	43.1	45.5	48.0	50.1	51.9	53.6	55.1	56.4	57.7	58.8
190	30.6	33.4	36.2	39.0	42.9	45.2	47.7	49.8	51.7	53.3	54.8	56.2	57.4	58.6
200	30.1	33.0	35.9	38.8	42.6	45.0	47.4	49.5	51.4	53.1	54.6	55.9	57.2	58.3
210	30.1	32.9	35.7	38.5	42.4	44.7	47.2	49.3	51.2	52.8	54.3	55.7	56.9	58.1
220	29.6	32.5	35.4	38.3	42.1	44.5	46.9	49.1	50.9	52.6	54.1	55.4	56.7	57.8
230	29.6	32.4	35.2	38.0	41.9	44.2	46.7	48.8	50.7	52.3	53.8	55.2	56.5	57.6
240	29.4	32.2	35.0	37.8	41.6	44.0	46.5	48.6	50.5	52.1	53.6	55.0	56.2	57.4
250	28.9	31.8	34.7	37.6	41.4	43.8	46.3	48.4	50.3	51.9	53.4	54.8	56.0	57.2
260	28.7	31.6	34.5	37.4	41.2	43.6	46.1	48.2	50.1	51.7	53.2	54.6	55.8	57.0
270	28.5	31.4	34.3	37.2	41.0	43.4	45.9	48.0	49.9	51.5	53.0	54.4	55.6	56.8
280	28.5	31.4	34.2	37.0	40.9	43.2	45.7	47.8	49.7	51.3	52.8	54.2	55.5	56.6
290	28.4	31.2	34.0	36.8	40.7	43.0	45.5	47.6	49.5	51.2	52.7	54.0	55.3	56.4
300	28.0	30.9	33.8	36.7	40.5	42.9	45.3	47.5	49.3	51.0	52.5	53.9	55.1	56.3

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

Table 190. 10 m barrier at 30 m offset; L_{Aeq1h} for 1000 motorcycles; Soft ground.

Receiver Distance (m)	Vehicle Speed (km/h)													
	0	10	20	30	40	50	60	70	80	90	100	110	120	130
10	57.9	60.7	63.5	66.3	69.5	72.3	74.7	76.8	78.5	80.1	81.5	82.8	84.0	85.1
20	53.3	56.1	58.9	61.7	64.9	67.7	70.1	72.2	74.0	75.6	77.0	78.3	79.5	80.6
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	35.4	38.2	41.0	43.8	47.0	49.9	52.3	54.4	56.2	57.8	59.2	60.6	61.8	62.9
50	35.9	38.7	41.5	44.3	47.5	50.4	52.8	54.9	56.7	58.4	59.8	61.1	62.4	63.5
60	36.4	39.2	42.0	44.8	48.0	50.9	53.3	55.4	57.2	58.8	60.3	61.6	62.8	64.0
70	35.0	37.8	40.6	43.4	46.7	49.5	52.0	54.1	55.9	57.5	59.0	60.3	61.5	62.6
80	34.2	37.0	39.8	42.6	45.9	48.8	51.2	53.3	55.1	56.8	58.2	59.6	60.8	61.9
90	33.6	36.4	39.2	42.0	45.3	48.2	50.6	52.7	54.5	56.2	57.7	59.0	60.2	61.4
100	33.1	35.9	38.7	41.5	44.8	47.7	50.1	52.2	54.1	55.7	57.2	58.5	59.8	60.9
110	32.4	35.3	38.2	41.1	44.4	47.2	49.7	51.8	53.7	55.3	56.8	58.1	59.4	60.5
120	32.3	35.1	37.9	40.7	44.0	46.9	49.3	51.4	53.3	54.9	56.4	57.8	59.0	60.2
130	31.9	34.7	37.5	40.3	43.6	46.5	49.0	51.1	52.9	54.6	56.1	57.4	58.7	59.8
140	31.6	34.4	37.2	40.0	43.3	46.2	48.6	50.8	52.6	54.3	55.7	57.1	58.3	59.5
150	31.0	33.9	36.8	39.7	43.0	45.9	48.3	50.4	52.3	53.9	55.4	56.8	58.0	59.2
160	30.7	33.6	36.5	39.4	42.7	45.5	48.0	50.1	52.0	53.6	55.1	56.5	57.7	58.9
170	30.4	33.3	36.2	39.1	42.4	45.3	47.7	49.8	51.7	53.3	54.8	56.2	57.4	58.6
180	30.1	33.0	35.9	38.8	42.1	45.0	47.4	49.5	51.4	53.1	54.5	55.9	57.2	58.3
190	30.1	32.9	35.7	38.5	41.8	44.7	47.2	49.3	51.1	52.8	54.3	55.6	56.9	58.0
200	29.6	32.5	35.4	38.3	41.6	44.4	46.9	49.0	50.9	52.5	54.0	55.4	56.6	57.8
210	29.6	32.4	35.2	38.0	41.3	44.2	46.7	48.8	50.6	52.3	53.8	55.2	56.4	57.6
220	29.1	32.0	34.9	37.8	41.1	44.0	46.4	48.6	50.4	52.1	53.6	54.9	56.2	57.3
230	28.9	31.8	34.7	37.6	40.9	43.7	46.2	48.3	50.2	51.8	53.3	54.7	56.0	57.1
240	28.9	31.7	34.5	37.3	40.6	43.5	46.0	48.1	50.0	51.6	53.1	54.5	55.7	56.9
250	28.7	31.5	34.3	37.1	40.4	43.3	45.8	47.9	49.8	51.4	52.9	54.3	55.5	56.7
260	28.5	31.3	34.1	36.9	40.2	43.1	45.6	47.7	49.6	51.2	52.7	54.1	55.3	56.5
270	28.3	31.1	33.9	36.7	40.0	42.9	45.4	47.5	49.4	51.0	52.5	53.9	55.1	56.3
280	28.1	30.9	33.7	36.5	39.8	42.7	45.2	47.3	49.2	50.8	52.3	53.7	55.0	56.1
290	27.9	30.7	33.5	36.3	39.6	42.5	45.0	47.1	49.0	50.7	52.2	53.5	54.8	55.9
300	27.5	30.4	33.3	36.2	39.5	42.4	44.8	47.0	48.8	50.5	52.0	53.4	54.6	55.8

* Note: 1 m = 3.281 ft, 1 km/h = 0.621 mph

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