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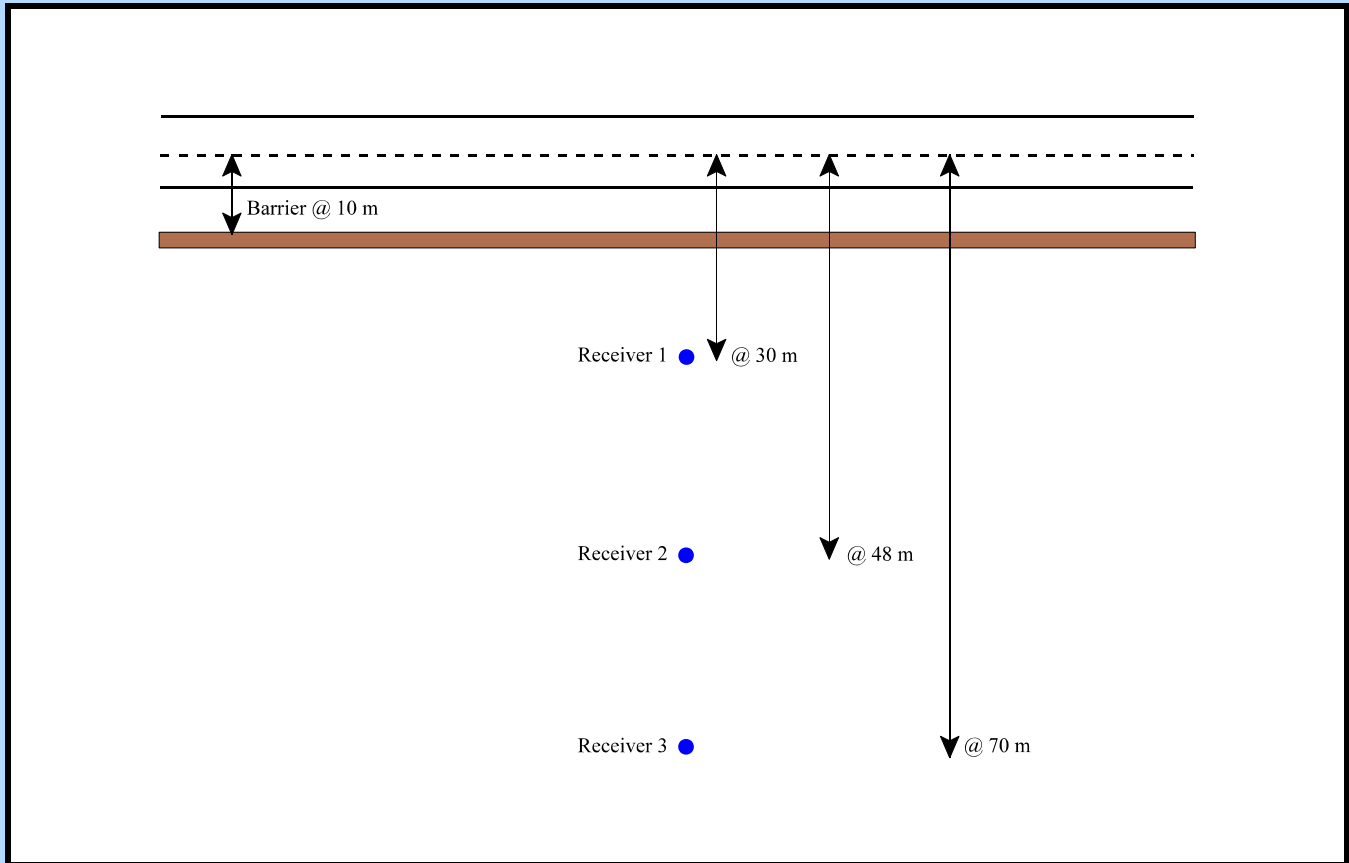
FHWA TRAFFIC NOISE MODEL[®]

VERSION 2.5 LOOK-UP TABLES

USER'S GUIDE

FHWA-HEP-05-008
DOT-VNTSC-FHWA-0406

Final Report
December 2004



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Washington, D.C. 20590

Prepared by
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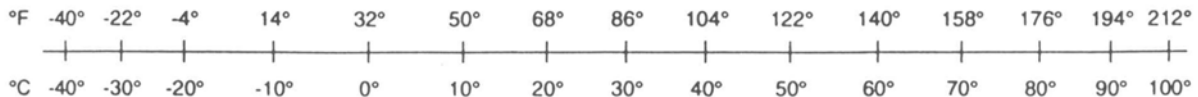
METRIC/ENGLISH CONVERSION FACTORS

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<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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1. INTRODUCTION

In March 1998, the Federal Highway Administration (FHWA) released the Traffic Noise Model (TNM[®]), Version 1.0, a state-of-the-art computer program for highway traffic noise prediction and analysis. To provide analysts with a quick screening tool for evaluating simple highway geometries, the U.S. Department of Transportation, Research and Special Programs Administration, Volpe National Transportation Systems Center, Acoustics Facility (Volpe Center), in support of the FHWA, Office of Natural and Human Environment, developed a set of look-up tables for TNM Version 1.0. Subsequently, the FHWA, with assistance from the Volpe Center, have released multiple update packages for TNM. The latest update, TNM Version 2.5 released in April 2004, incorporated the first substantial improvements to the acoustics code. As a result, the Volpe Center has updated the TNM Version 1.0 Look-Up Tables. FHWA TNM Version 2.5 Look-Up Tables contains sound levels calculated with TNM Version 2.5 and includes an accompanying, Windows-compatible computer program to facilitate easy access to the look-up tables. This document contains the updated look-up tables in their entirety, as well as instructions on use of the accompanying computer program. Three companion reports, a User's Guide,^{1,2} a Technical Manual,^{3,4} and a data report,⁵ 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.

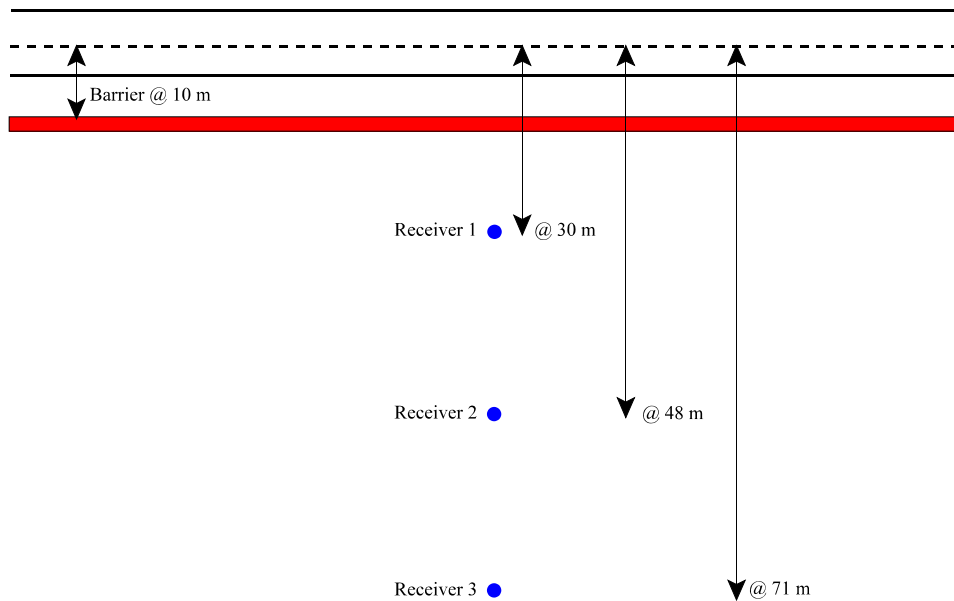


Figure 1. Example geometry.

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 accompanying computer program which facilitates easy access to the look-up tables (see Section 2 for instructions on how to use the program); or (2) using the printed Look-Up Tables in Section 3.

Note: While the Look-Up Table data exist in the above fixed parameter increments, the software version of the look-up tables 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 while the software will interpolate data at any distance within 10 to 300 m. The software will not, however, extrapolate values beyond the range of the fixed parameters.

Also note that the Look-Up Tables are organized into three primary sections: (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.

* 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 TNM VERSION 2.5 LOOK-UP TABLES SOFTWARE

This section provides the hardware and software requirements, installation instructions, and how to operate the accompanying computer program.

2.1 System Requirements

The system requirements for TNM Version 2.5 Look-Up Tables are:

- Microsoft® Windows 98/NT/2000/XP
- 200 MHz Intel® Pentium or equivalent
- 32 MB of RAM
- 20 MB of available hard-disk space for installation
- Monitor resolution set to 1024 x 768 pixels or higher

2.2 Installation

To install FHWA TNM Version 2.5 Look-Up Tables:

1. Download the Look-Up Tables “Setup.exe” file from the TNM website:
<http://www.thewalljournal.com/a1f04/tnm>.
2. On the Windows taskbar, click [Start] and select Run.
3. Click [Browse]. Navigate to the Setup.exe file.
4. Double-click on Setup.exe and follow the onscreen instructions.
5. The program will create a shortcut icon on your desktop (see Figure 2). Double-click on the shortcut icon to run the program.



Figure 2.
Desktop shortcut.

2.3 Computing Sound Level Results

2.3.1 Metric/English Units

Once the program is started, the user is prompted to select Metric or English units 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 parameters to obtain the Metric-to-English units, rounded to one decimal point. Click [Ok] once you have made your selection.

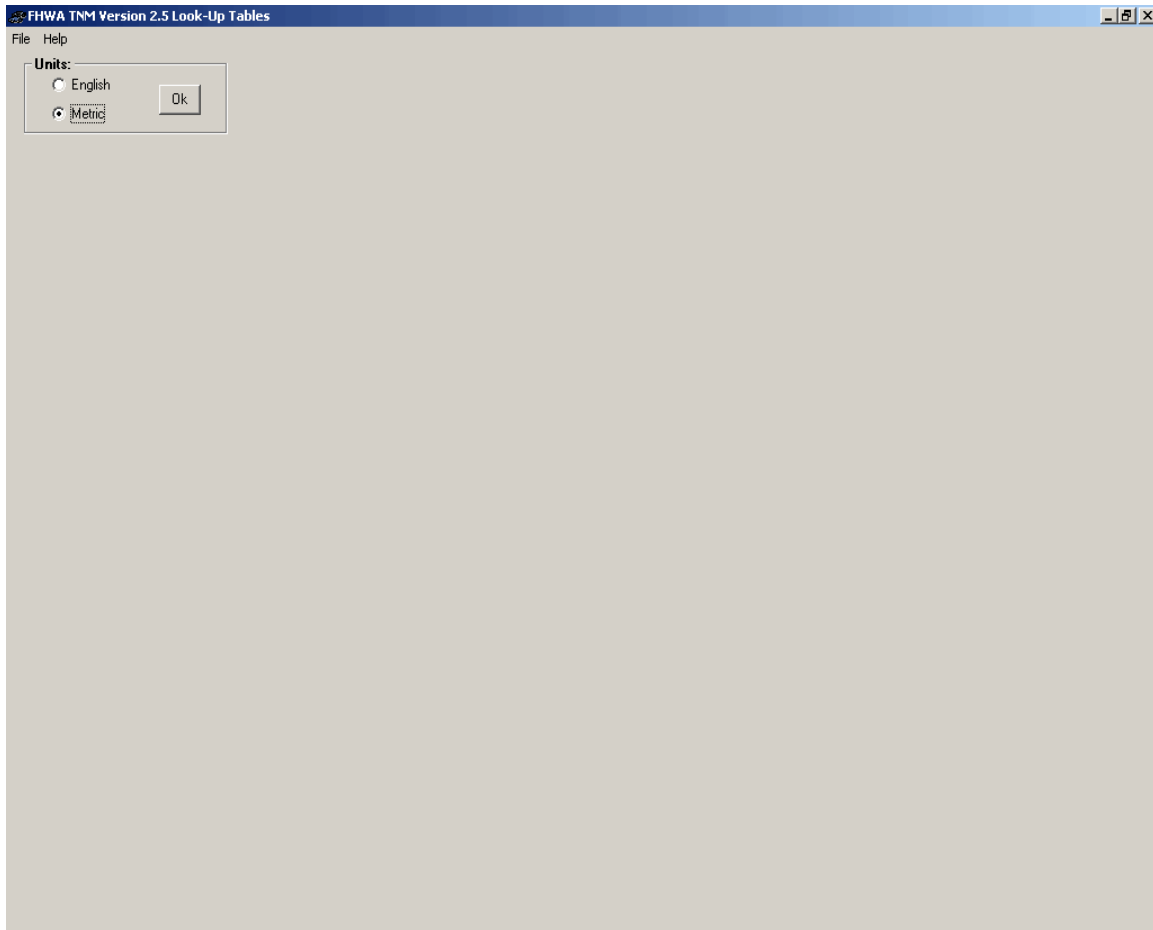


Figure 3. Metric/English units selection.

Note: If a parameter is unintentionally selected at any time, the user can reset the parameters to start over. To do this, select the File menu and click on Reset as shown in Figure 4.

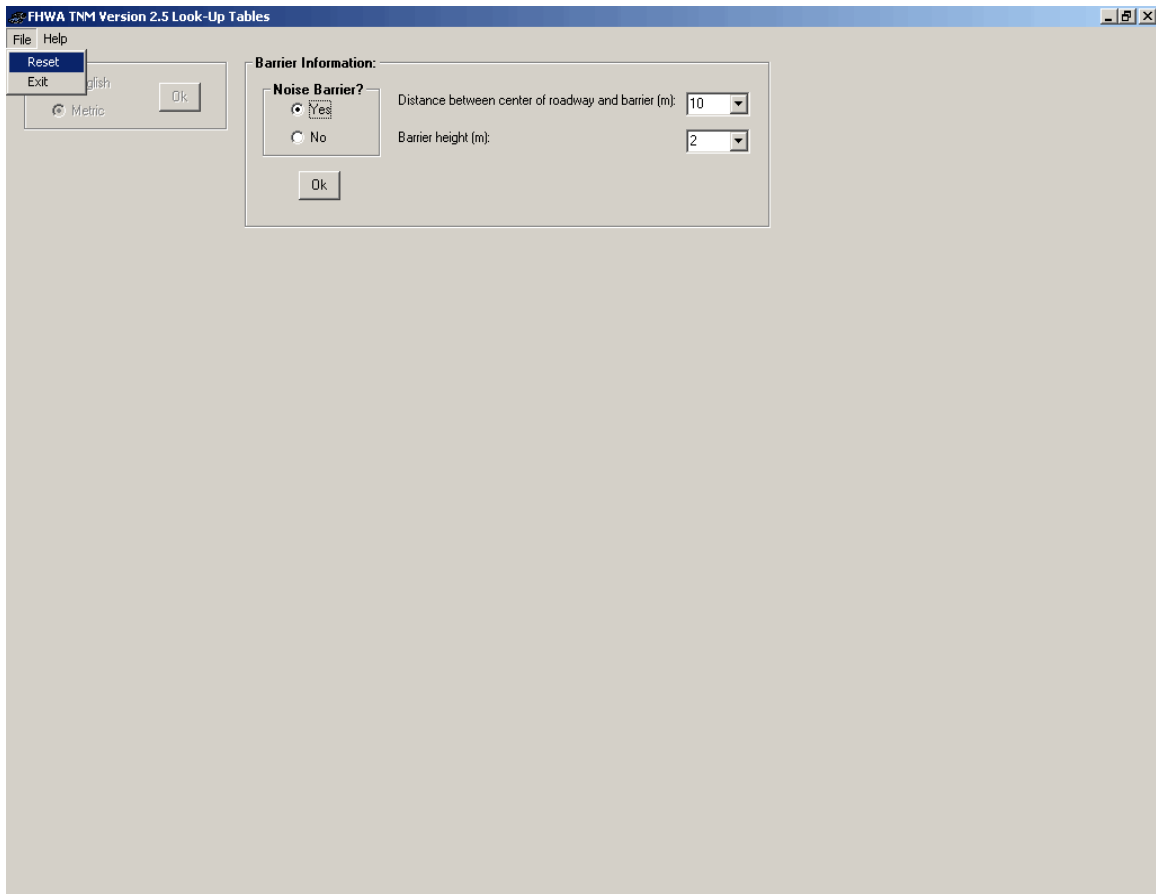


Figure 4. Reset function.

2.3.2 Barrier Information

Select if there is a noise barrier present and click [Ok].

If “Yes” is selected, additional parameters will appear (See Figure 5). Select the distance between the barrier and the centerline of the roadway (10 or 30 m if you have selected Metric units / 32.8 or 98.4 ft. if you have selected English units). Select the desired barrier height (between 2 and 10 m if you have selected Metric units / between 6.6 and 32.8 ft if you have selected English units).

Note: 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. Click [Ok] once you have completed selecting your barrier distance and height (if a barrier is present).

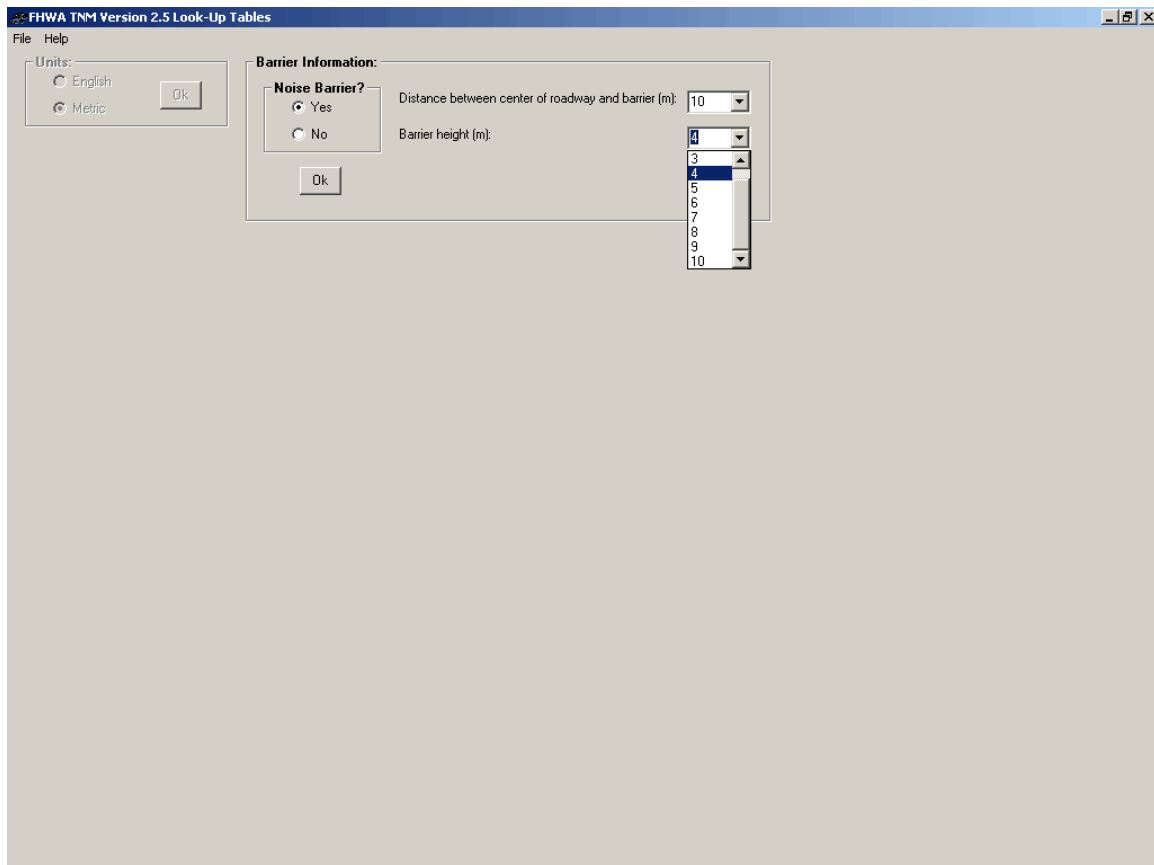


Figure 5. Noise barrier parameters.

Note: The included barrier is of infinite length and placed parallel to the roadway (see Figure 1).

2.3.3 Terrain Surface

Next, choose whether the terrain surface between the source and the receiver is acoustically hard or acoustically soft.

Note: 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.

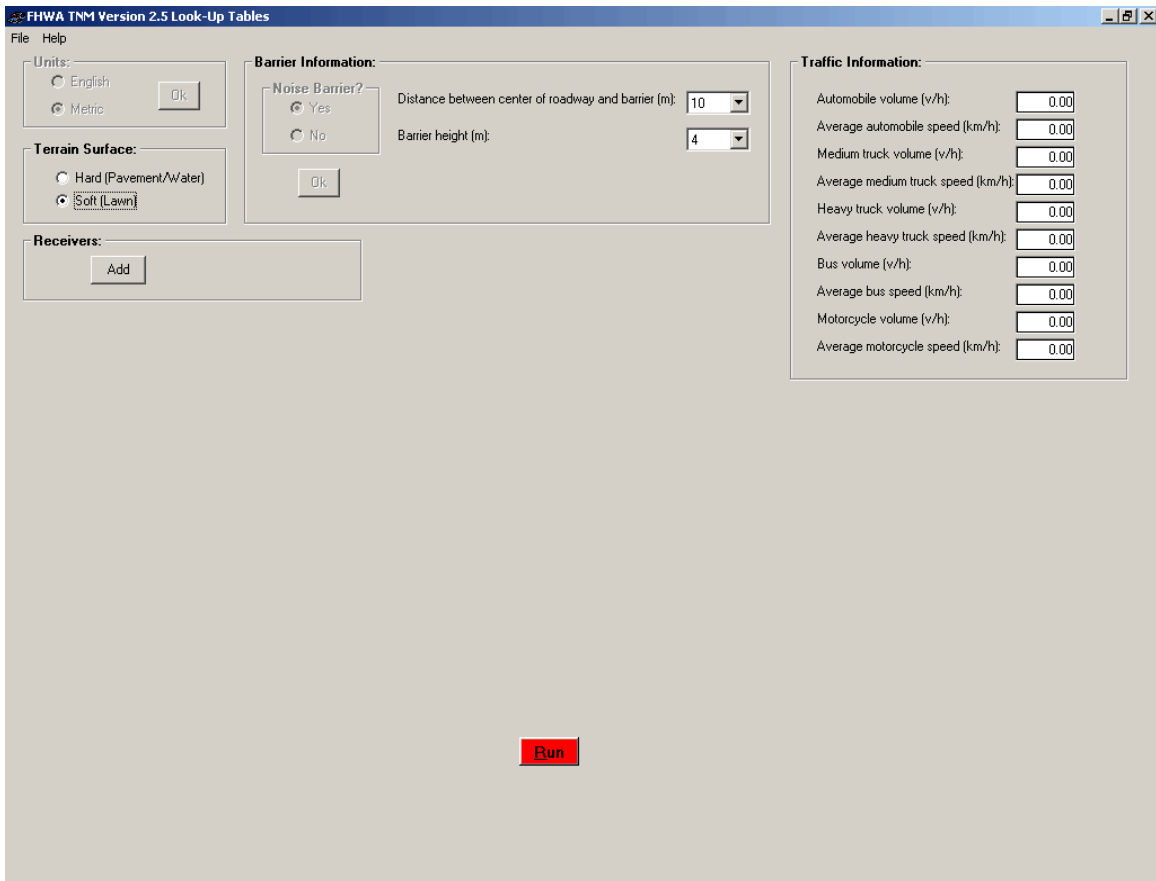


Figure 6. Terrain surface parameters.

Note: 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.

2.3.4 Traffic Information

Enter the vehicle volume information in vehicles per hour between 0 and 99999 and also the vehicle speed information (between 0 and 130 km/h if you have selected Metric units / between 0 and 80.7 mph if you have selected English units) as shown in Figure 7.

Figure 7. Traffic Volume and Speed Parameters

2.3.5 Receiver Information

Enter the receiver distance information by clicking the [Add] button inside the “Receivers” box. Enter the distance of the receiver from the centerline of the roadway (between 10 and 300 m if you have selected Metric units / between 32.8 and 984.4 ft. if you have selected English units). TNM Version 2.5 Look-Up Tables does not allow a receiver to be placed at the same distance as the barrier (e.g., a receiver distance of 10 m is not allowed when the barrier is also at 10 m). The user can also include a single line description for each receiver by entering text in the “Description box”.

Note: 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.

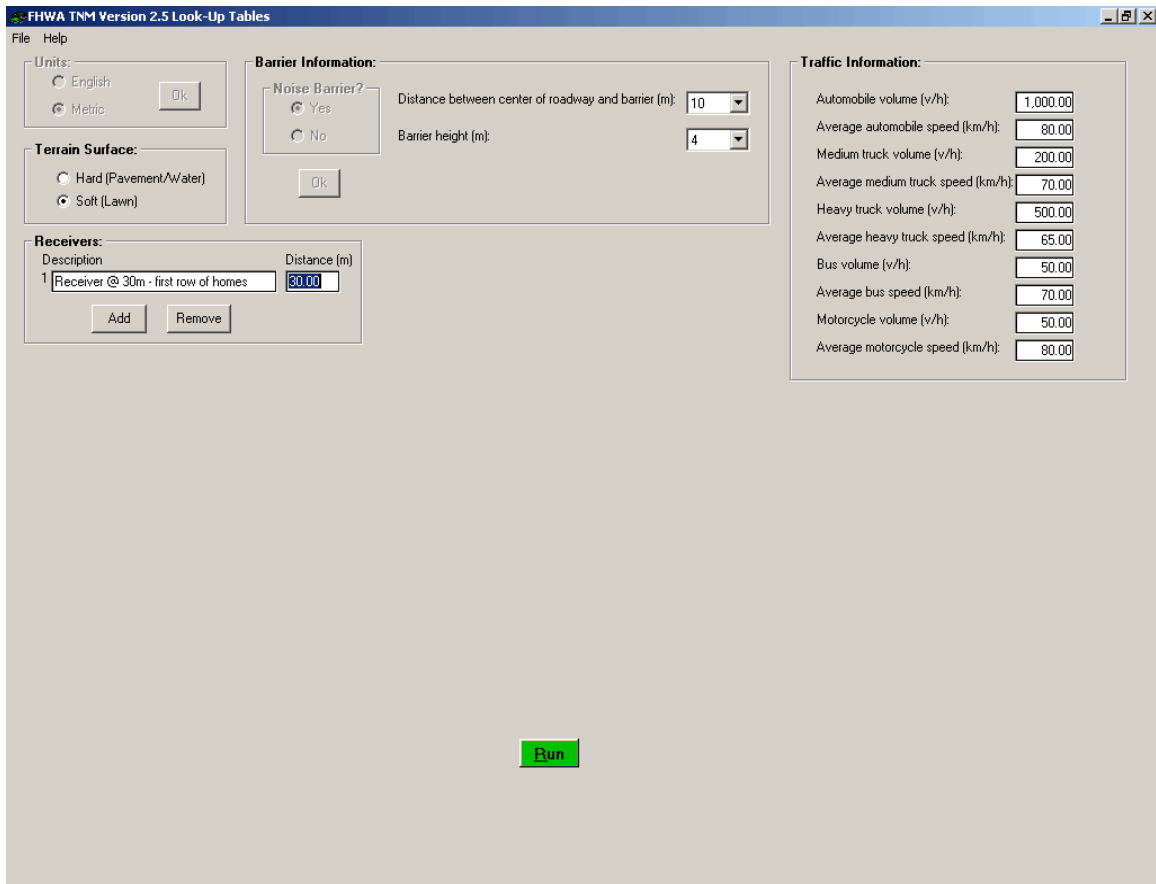


Figure 8. Receiver Description and Distance Parameters

Additional receivers can also be added by clicking on the [Add] button inside the “Receivers” box (see Figure 9). TNM Version 2.5 Look-Up Tables can calculate sound levels for up to 45 receivers simultaneously. If a receiver is unintentionally added, you can remove it by clicking on the [Remove] button. This will remove the most recently added receiver to the list.

Units:
 English
 Metric

Terrain Surface:
 Hard (Pavement/Water)
 Soft (Lawn)

Barrier Information:
 Noise Barrier?
 Yes
 No
 Distance between center of roadway and barrier (m): 10
 Barrier height (m): 4

Traffic Information:

Automobile volume (v/h):	1,000.00
Average automobile speed (km/h):	80.00
Medium truck volume (v/h):	200.00
Average medium truck speed (km/h):	70.00
Heavy truck volume (v/h):	500.00
Average heavy truck speed (km/h):	65.00
Bus volume (v/h):	50.00
Average bus speed (km/h):	70.00
Motorcycle volume (v/h):	50.00
Average motorcycle speed (km/h):	80.00

Receivers:

Description	Distance (m)
1 Receiver @ 30m - first row of homes	30.00
2 Receiver behind barrier	11.00
3 Receiver @ 80 m	80.00

Run

Figure 9. Entering Additional Receivers

2.3.6 Run Calculations

Once the above parameters are entered into the program. The [Run] button changes from a red button to a green button (see Figure 10). This is an indication that the program has the necessary parameters to calculate sound level results.



Figure 10. Run calculations button.

Click on the [Run] button to compute sound levels. An output file consisting of the input parameters and computed sound levels will pop up (See Figure 11).

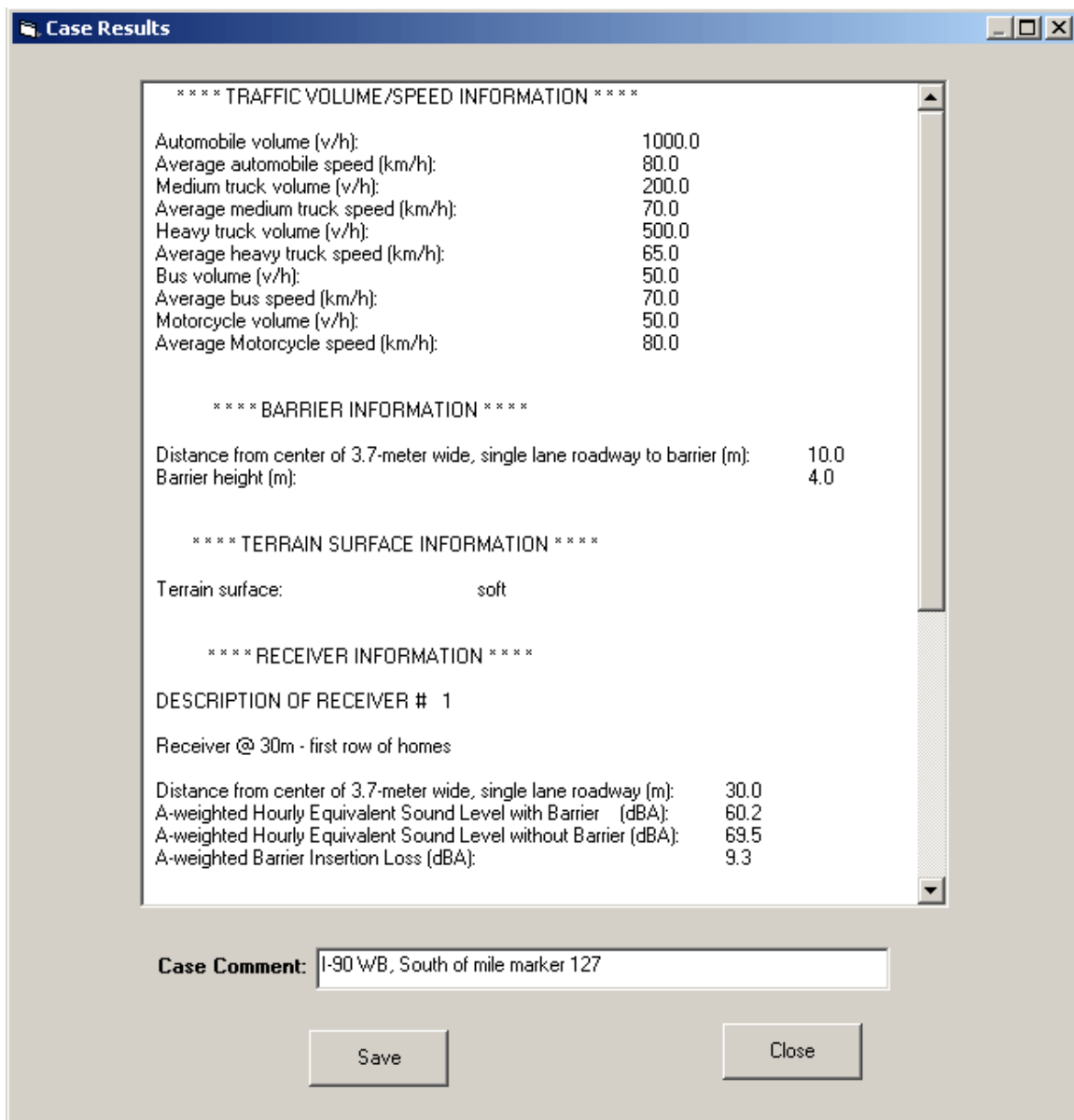


Figure 11. Case Results Output Display

The hourly-equivalent sound level (1hEQ denoted by the symbol, L_{Aeq1h} , also often referred to as LEQ) 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.

Note: L_{Aeq1h} 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 : Pa, the threshold of human hearing.

The output can also be saved as an ASCII text file by clicking on the [Save] button. The program will then prompt you to enter a name for the file and select the directory to save it in. A comment for the case can be entered into the output box. The case comment will be saved directly to the output file. The program will then confirm the file has been saved (see Figure 12).

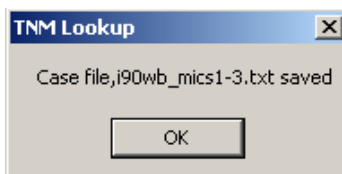


Figure 12. Confirmation of saved output file.

The output file can be closed by clicking on the [Close] button. The user may return to the program to change barrier distance, barrier height, terrain surface, vehicle traffic, and receiver parameters. TNM Version 2.5 Look-Up Tables allows the user to adjust the aforementioned parameters and recalculate runs without restarting the program. However, note that when the barrier distance is changed, invalid receiver distances (e.g., receiver distance of 10 m when the barrier distance is also 10 m) will have 0.01 m (0.01 ft. if using English units) automatically added to the distance.

3. LOOK-UP TABLES DATA

This section contains the TNM Version 2.5 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* :

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

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 sample case presented in Figure 11:

- (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 traveling at 80 km/h (Table 22) is 50.7 dB;
 For a 30-m receiver, the L_{Aeq1h} contribution from medium trucks traveling at 70 km/h (Table 40) is 57.6 dB;
 For a 30-m receiver, the L_{Aeq1h} contribution from heavy trucks traveling at 65 km/h (Table 58, interpolated between 60 and 70 km/h) is 61.5 dB;
 For a 30-m receiver, the L_{Aeq1h} contribution from buses traveling at 70 km/h (Table 76) is 57.5 dB; and
 For a 30-m receiver, the L_{Aeq1h} contribution from motorcycles traveling at 80 km/h (Table 94) is 62.2 dB.

* This equation, which is consistent with the TNM program, is used within FHWA TNM Version 2.5 Look-Up Tables for computing the L_{Aeq1h} at a given receiver location.

Then, substitute the above L_{Aeq1h} values and the vehicle volumes (from Figure 11) into the following equation:

$$\begin{aligned}
 L_{Aeq1h} &= 10 \times \text{Log}_{10} \left\{ \left[\frac{1000}{1000} \times 10^{50.7/10} \right] + \left[\frac{200}{1000} \times 10^{57.6/10} \right] \right. \\
 &\quad \left. + \left[\frac{500}{1000} \times 10^{61.5/10} \right] + \left[\frac{50}{1000} \times 10^{57.5/10} \right] + \left[\frac{50}{1000} \times 10^{62.2/10} \right] \right\} \\
 &= \quad \mathbf{60.2 \text{ dB}}
 \end{aligned}$$

- (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 traveling at 80 km/h (Table 2) is 61.0 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from medium trucks traveling at 70 km/h (Table 4) is 66.9 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from heavy trucks traveling at 65 km/h (Table 6, interpolated between 60 and 70 km/h) is 70.75 dB;

For a 30-m receiver, the L_{Aeq1h} contribution from buses traveling at 70 km/h (Table 8) is 67.2 dB; and

For a 30-m receiver, the L_{Aeq1h} contribution from motorcycles traveling at 80 km/h (Table 10) is 70.3 dB.

Then, substitute the above L_{Aeq1h} values and the vehicle volumes (from Figure 11) into the following equation:

$$\begin{aligned}
 L_{Aeq1h} &= 10 \times \text{Log}_{10} \left\{ \left[\frac{1000}{1000} \times 10^{61.0/10} \right] + \left[\frac{200}{1000} \times 10^{66.9/10} \right] \right. \\
 &\quad \left. + \left[\frac{500}{1000} \times 10^{70.75/10} \right] + \left[\frac{50}{1000} \times 10^{67.2/10} \right] + \left[\frac{50}{1000} \times 10^{70.3/10} \right] \right\} \\
 &= \quad \mathbf{69.5 \text{ dB}}
 \end{aligned}$$

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

$$\text{Barrier Insertion Loss} = 69.5 - 60.2 = 9.3 \text{ dB}$$

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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
30	53.6	53.6	51.9	53.8	56.7	59.4	61.7	63.8	65.6	67.2	68.7	70	71.3	72.4
40	52.4	52.4	50.7	52.6	55.5	58.2	60.5	62.5	64.3	65.9	67.4	68.8	70	71.2
50	51.4	51.4	49.7	51.6	54.5	57.2	59.5	61.5	63.3	64.9	66.4	67.7	69	70.1
60	50.6	50.6	48.9	50.8	53.6	56.3	58.7	60.7	62.5	64.1	65.5	66.9	68.1	69.3
70	49.8	49.8	48.1	50	52.9	55.6	57.9	59.9	61.7	63.3	64.8	66.1	67.4	68.5
80	49.2	49.2	47.5	49.4	52.2	54.9	57.2	59.3	61	62.6	64.1	65.4	66.7	67.8
90	48.6	48.6	46.9	48.8	51.6	54.3	56.6	58.7	60.4	62	63.5	64.8	66.1	67.2
100	48.1	48.1	46.4	48.2	51.1	53.8	56.1	58.1	59.9	61.5	62.9	64.3	65.5	66.6
110	47.6	47.6	45.9	47.8	50.6	53.3	55.6	57.6	59.4	61	62.4	63.7	65	66.1
120	47.1	47.1	45.4	47.3	50.1	52.8	55.1	57.1	58.9	60.5	61.9	63.3	64.5	65.6
130	46.7	46.7	45	46.9	49.7	52.4	54.7	56.7	58.5	60	61.5	62.8	64	65.2
140	46.3	46.3	44.6	46.5	49.3	52	54.3	56.3	58	59.6	61.1	62.4	63.6	64.7
150	45.9	45.9	44.2	46.1	48.9	51.6	53.9	55.9	57.6	59.2	60.7	62	63.2	64.3
160	45.6	45.6	43.9	45.7	48.6	51.2	53.5	55.5	57.3	58.8	60.3	61.6	62.8	64
170	45.3	45.3	43.6	45.4	48.2	50.9	53.2	55.2	56.9	58.5	59.9	61.2	62.5	63.6
180	44.9	44.9	43.2	45.1	47.9	50.5	52.8	54.8	56.6	58.2	59.6	60.9	62.1	63.2
190	44.7	44.7	42.9	44.8	47.6	50.2	52.5	54.5	56.3	57.8	59.3	60.6	61.8	62.9
200	44.4	44.4	42.6	44.5	47.3	49.9	52.2	54.2	56	57.5	58.9	60.2	61.5	62.6
210	44.1	44.1	42.4	44.2	47	49.6	51.9	53.9	55.7	57.2	58.6	59.9	61.1	62.3
220	43.8	43.8	42.1	43.9	46.7	49.4	51.6	53.6	55.4	56.9	58.3	59.6	60.9	62
230	43.6	43.6	41.8	43.7	46.5	49.1	51.4	53.4	55.1	56.7	58.1	59.4	60.6	61.7
240	43.3	43.3	41.6	43.4	46.2	48.9	51.1	53.1	54.8	56.4	57.8	59.1	60.3	61.4
250	43.1	43.1	41.4	43.2	46	48.6	50.9	52.8	54.6	56.1	57.5	58.8	60	61.2
260	42.9	42.9	41.1	42.9	45.8	48.4	50.6	52.6	54.3	55.9	57.3	58.6	59.8	60.9
270	42.7	42.7	40.9	42.7	45.5	48.1	50.4	52.4	54.1	55.6	57	58.3	59.5	60.6
280	42.4	42.4	40.7	42.5	45.3	47.9	50.2	52.1	53.9	55.4	56.8	58.1	59.3	60.4
290	42.2	42.2	40.5	42.3	45.1	47.7	49.9	51.9	53.6	55.2	56.6	57.9	59	60.2
300	42	42	40.3	42.1	44.9	47.5	49.7	51.7	53.4	55	56.4	57.6	58.8	59.9

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
30	49.6	49.6	47.8	49.6	52.4	55	57.3	59.2	61	62.6	64.1	65.4	66.7	67.9
40	47.3	47.3	45.4	47	49.7	52.2	54.5	56.4	58.1	59.7	61.1	62.4	63.7	64.8
50	45.5	45.5	43.5	45.1	47.7	50.2	52.3	54.2	55.9	57.4	58.8	60.1	61.3	62.4
60	44.1	44.1	42.1	43.6	46.1	48.5	50.6	52.4	54	55.5	56.8	58.1	59.3	60.4
70	43	43	40.9	42.3	44.8	47.1	49.2	50.9	52.5	53.9	55.2	56.4	57.6	58.7
80	42	42	39.9	41.3	43.7	46	47.9	49.6	51.1	52.5	53.8	54.9	56	57.1
90	41.2	41.2	39	40.4	42.8	45	46.9	48.5	50	51.3	52.5	53.7	54.7	55.8
100	40.5	40.5	38.3	39.6	41.9	44.1	46	47.6	49	50.3	51.4	52.5	53.6	54.6
110	39.9	39.9	37.6	38.9	41.2	43.4	45.2	46.7	48.1	49.3	50.5	51.5	52.5	53.5
120	39.3	39.3	37	38.3	40.6	42.7	44.5	46	47.3	48.5	49.6	50.6	51.6	52.5
130	38.8	38.8	36.5	37.8	40	42.1	43.9	45.4	46.6	47.8	48.9	49.8	50.8	51.7
140	38.4	38.4	36.1	37.3	39.5	41.6	43.3	44.8	46	47.1	48.2	49.1	50	50.9
150	38	38	35.6	36.9	39.1	41.1	42.8	44.2	45.4	46.5	47.5	48.5	49.3	50.2
160	37.6	37.6	35.2	36.4	38.6	40.6	42.3	43.7	44.9	46	46.9	47.8	48.7	49.5
170	37.2	37.2	34.9	36.1	38.2	40.2	41.9	43.2	44.4	45.4	46.4	47.2	48	48.8
180	36.9	36.9	34.5	35.7	37.8	39.8	41.4	42.8	43.9	44.9	45.8	46.7	47.5	48.2
190	36.6	36.6	34.2	35.4	37.5	39.4	41.1	42.4	43.5	44.5	45.3	46.1	46.9	47.6
200	36.3	36.3	33.9	35	37.2	39.1	40.7	42	43.1	44	44.9	45.7	46.4	47.1
210	36	36	33.6	34.8	36.9	38.8	40.4	41.6	42.7	43.6	44.4	45.2	45.9	46.6
220	35.8	35.8	33.3	34.5	36.6	38.5	40	41.3	42.4	43.3	44.1	44.8	45.4	46.1
230	35.5	35.5	33.1	34.2	36.3	38.2	39.8	41	42	42.9	43.7	44.4	45	45.6
240	35.3	35.3	32.9	34	36.1	38	39.5	40.7	41.8	42.6	43.4	44	44.7	45.3
250	35.1	35.1	32.6	33.8	35.8	37.7	39.2	40.5	41.5	42.3	43.1	43.7	44.3	44.9
260	34.9	34.9	32.4	33.5	35.6	37.5	39	40.3	41.3	42.1	42.8	43.4	44	44.6
270	34.7	34.7	32.2	33.3	35.4	37.3	38.8	40	41	41.8	42.6	43.2	43.7	44.3
280	34.5	34.5	32.1	33.2	35.2	37.1	38.6	39.8	40.8	41.6	42.3	42.9	43.5	44
290	34.3	34.3	31.9	33	35	36.9	38.4	39.6	40.6	41.4	42.1	42.7	43.2	43.7
300	34.1	34.1	31.7	32.8	34.8	36.7	38.2	39.4	40.4	41.2	41.8	42.4	42.9	43.4

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
30	71.7	71.7	68.9	68	68.3	69.2	70.4	71.7	72.9	74	75.1	76.1	77.1	78
40	70.5	70.5	67.7	66.8	67.1	68.1	69.3	70.5	71.7	72.9	74	75	76	76.9
50	69.5	69.5	66.7	65.8	66.1	67.1	68.3	69.6	70.8	71.9	73	74.1	75	75.9
60	68.6	68.6	65.8	65	65.3	66.3	67.5	68.7	70	71.1	72.2	73.3	74.2	75.1
70	67.9	67.9	65.1	64.3	64.6	65.5	66.8	68	69.2	70.4	71.5	72.5	73.5	74.4
80	67.3	67.3	64.5	63.6	63.9	64.9	66.1	67.4	68.6	69.8	70.9	71.9	72.9	73.8
90	66.7	66.7	63.9	63	63.4	64.3	65.5	66.8	68	69.2	70.3	71.3	72.3	73.2
100	66.2	66.2	63.4	62.5	62.8	63.8	65	66.3	67.5	68.7	69.8	70.8	71.8	72.7
110	65.7	65.7	62.9	62	62.3	63.3	64.5	65.8	67	68.2	69.3	70.3	71.3	72.2
120	65.2	65.2	62.4	61.6	61.9	62.8	64.1	65.3	66.5	67.7	68.8	69.8	70.8	71.7
130	64.8	64.8	62	61.2	61.5	62.4	63.6	64.9	66.1	67.3	68.4	69.4	70.4	71.3
140	64.4	64.4	61.6	60.8	61.1	62	63.2	64.5	65.7	66.9	68	69	70	70.9
150	64.1	64.1	61.3	60.4	60.7	61.7	62.9	64.1	65.4	66.5	67.6	68.6	69.6	70.5
160	63.7	63.7	60.9	60.1	60.4	61.3	62.5	63.8	65	66.2	67.3	68.3	69.3	70.2
170	63.4	63.4	60.6	59.7	60	61	62.2	63.4	64.7	65.8	66.9	68	68.9	69.8
180	63.1	63.1	60.3	59.4	59.7	60.7	61.9	63.1	64.3	65.5	66.6	67.6	68.6	69.5
190	62.8	62.8	60	59.1	59.4	60.4	61.6	62.8	64	65.2	66.3	67.3	68.3	69.2
200	62.5	62.5	59.7	58.8	59.1	60.1	61.3	62.5	63.8	64.9	66	67	68	68.9
210	62.3	62.3	59.4	58.6	58.9	59.8	61	62.3	63.5	64.6	65.7	66.8	67.7	68.6
220	62	62	59.2	58.3	58.6	59.5	60.7	62	63.2	64.4	65.5	66.5	67.5	68.4
230	61.8	61.8	58.9	58	58.3	59.3	60.5	61.7	62.9	64.1	65.2	66.2	67.2	68.1
240	61.5	61.5	58.7	57.8	58.1	59	60.2	61.5	62.7	63.9	64.9	66	66.9	67.9
250	61.3	61.3	58.5	57.6	57.9	58.8	60	61.2	62.5	63.6	64.7	65.7	66.7	67.6
260	61.1	61.1	58.2	57.3	57.6	58.6	59.8	61	62.2	63.4	64.5	65.5	66.5	67.4
270	60.9	60.9	58	57.1	57.4	58.3	59.5	60.8	62	63.2	64.2	65.3	66.2	67.1
280	60.7	60.7	57.8	56.9	57.2	58.1	59.3	60.6	61.8	62.9	64	65	66	66.9
290	60.5	60.5	57.6	56.7	57	57.9	59.1	60.3	61.6	62.7	63.8	64.8	65.8	66.7
300	60.3	60.3	57.4	56.5	56.8	57.7	58.9	60.1	61.4	62.5	63.6	64.6	65.6	66.5

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	75.9	76.8
30	68	68	64.9	63.8	63.9	64.7	65.8	66.9	68	69.1	70.1	71.1	72	72.8
40	65.8	65.8	62.6	61.5	61.5	62.2	63.2	64.3	65.3	66.4	67.3	68.2	69.1	69.9
50	64.2	64.2	61	59.7	59.7	60.3	61.2	62.3	63.3	64.2	65.2	66	66.9	67.7
60	62.9	62.9	59.6	58.3	58.2	58.8	59.7	60.6	61.6	62.5	63.4	64.2	65	65.8
70	61.9	61.9	58.5	57.1	57	57.5	58.3	59.2	60.2	61	61.9	62.7	63.5	64.2
80	61	61	57.6	56.1	55.9	56.4	57.2	58	58.9	59.8	60.6	61.3	62.1	62.8
90	60.2	60.2	56.8	55.3	55	55.5	56.2	57	57.9	58.7	59.4	60.2	60.9	61.5
100	59.6	59.6	56.1	54.6	54.3	54.6	55.3	56.1	56.9	57.7	58.4	59.1	59.8	60.5
110	59	59	55.5	53.9	53.6	53.9	54.6	55.3	56.1	56.8	57.5	58.2	58.9	59.5
120	58.4	58.4	54.9	53.3	52.9	53.3	53.9	54.6	55.3	56	56.7	57.4	58	58.6
130	58	58	54.4	52.8	52.4	52.7	53.3	54	54.7	55.4	56	56.6	57.2	57.8
140	57.5	57.5	53.9	52.3	51.9	52.1	52.7	53.4	54.1	54.7	55.4	56	56.5	57.1
150	57.1	57.1	53.5	51.9	51.4	51.7	52.2	52.9	53.5	54.1	54.8	55.3	55.9	56.4
160	56.8	56.8	53.1	51.4	51	51.2	51.7	52.4	53	53.6	54.2	54.7	55.3	55.8
170	56.4	56.4	52.7	51.1	50.6	50.8	51.3	51.9	52.5	53.1	53.7	54.2	54.7	55.2
180	56.1	56.1	52.4	50.7	50.2	50.4	50.9	51.5	52	52.6	53.2	53.7	54.2	54.6
190	55.8	55.8	52.1	50.4	49.9	50	50.5	51.1	51.6	52.2	52.7	53.2	53.7	54.1
200	55.5	55.5	51.8	50.1	49.5	49.7	50.1	50.7	51.2	51.8	52.2	52.7	53.2	53.6
210	55.2	55.2	51.5	49.8	49.2	49.4	49.8	50.3	50.9	51.4	51.8	52.3	52.7	53.1
220	55	55	51.2	49.5	48.9	49.1	49.5	50	50.5	51	51.5	51.9	52.3	52.7
230	54.7	54.7	51	49.2	48.7	48.8	49.2	49.7	50.2	50.7	51.1	51.5	51.9	52.3
240	54.5	54.5	50.8	49	48.4	48.5	48.9	49.4	49.9	50.4	50.8	51.2	51.6	52
250	54.3	54.3	50.6	48.8	48.2	48.3	48.7	49.2	49.7	50.1	50.5	50.9	51.3	51.7
260	54.1	54.1	50.4	48.6	48	48.1	48.5	48.9	49.4	49.9	50.3	50.7	51	51.4
270	53.9	53.9	50.2	48.4	47.8	47.9	48.3	48.7	49.2	49.6	50	50.4	50.8	51.1
280	53.7	53.7	50	48.2	47.6	47.7	48	48.5	49	49.4	49.8	50.2	50.5	50.9
290	53.5	53.5	49.8	48	47.4	47.5	47.8	48.3	48.8	49.2	49.6	50	50.3	50.6
300	53.4	53.4	49.6	47.8	47.2	47.3	47.6	48.1	48.5	49	49.3	49.7	50	50.4

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
30	78.2	78.2	74.8	73.1	72.5	72.7	73.4	74.3	75.3	76.4	77.5	78.5	79.5	80.5
40	77	77	73.7	72	71.3	71.5	72.1	73	74	75	76.1	77.1	78.1	79
50	76.1	76.1	72.7	71	70.4	70.5	71.2	72	73	74	75	76	77	77.9
60	75.3	75.3	71.9	70.2	69.6	69.7	70.3	71.2	72.2	73.2	74.2	75.2	76.1	77.1
70	74.6	74.6	71.2	69.5	68.9	69	69.7	70.5	71.5	72.5	73.5	74.5	75.5	76.4
80	74	74	70.6	68.9	68.3	68.4	69.1	69.9	70.9	71.9	72.9	73.9	74.9	75.8
90	73.4	73.4	70.1	68.4	67.7	67.9	68.5	69.4	70.4	71.4	72.4	73.4	74.4	75.3
100	72.9	72.9	69.5	67.8	67.2	67.4	68	68.9	69.9	70.9	71.9	72.9	73.9	74.9
110	72.5	72.5	69.1	67.4	66.8	66.9	67.5	68.4	69.4	70.4	71.4	72.5	73.5	74.4
120	72	72	68.7	67	66.3	66.5	67.1	68	69	70	71	72	73	74
130	71.6	71.6	68.3	66.6	65.9	66.1	66.7	67.6	68.6	69.6	70.6	71.6	72.6	73.6
140	71.3	71.3	67.9	66.2	65.5	65.7	66.3	67.2	68.2	69.2	70.3	71.3	72.3	73.3
150	70.9	70.9	67.5	65.8	65.2	65.3	66	66.9	67.9	68.9	69.9	70.9	71.9	72.9
160	70.6	70.6	67.2	65.5	64.8	65	65.6	66.5	67.5	68.5	69.6	70.6	71.6	72.6
170	70.3	70.3	66.9	65.2	64.5	64.7	65.3	66.2	67.2	68.2	69.2	70.3	71.3	72.2
180	70	70	66.6	64.9	64.2	64.4	65	65.9	66.9	67.9	68.9	70	71	71.9
190	69.7	69.7	66.3	64.6	63.9	64.1	64.7	65.6	66.6	67.6	68.6	69.7	70.7	71.6
200	69.4	69.4	66	64.3	63.7	63.8	64.4	65.3	66.3	67.3	68.4	69.4	70.4	71.4
210	69.1	69.1	65.8	64	63.4	63.5	64.2	65.1	66	67.1	68.1	69.1	70.1	71.1
220	68.9	68.9	65.5	63.8	63.2	63.3	63.9	64.8	65.8	66.8	67.8	68.8	69.8	70.8
230	68.7	68.7	65.3	63.6	62.9	63.1	63.7	64.6	65.5	66.6	67.6	68.6	69.6	70.6
240	68.4	68.4	65	63.3	62.7	62.8	63.4	64.3	65.3	66.3	67.3	68.3	69.3	70.3
250	68.2	68.2	64.8	63.1	62.5	62.6	63.2	64.1	65.1	66.1	67.1	68.1	69.1	70.1
260	68	68	64.6	62.9	62.2	62.4	63	63.9	64.8	65.8	66.9	67.9	68.9	69.8
270	67.8	67.8	64.4	62.7	62	62.2	62.8	63.6	64.6	65.6	66.6	67.6	68.6	69.6
280	67.6	67.6	64.2	62.5	61.8	61.9	62.6	63.4	64.4	65.4	66.4	67.4	68.4	69.4
290	67.4	67.4	64	62.3	61.6	61.7	62.4	63.2	64.2	65.2	66.2	67.2	68.2	69.2
300	67.2	67.2	63.8	62.1	61.4	61.6	62.2	63	64	65	66	67	68	68.9

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
30	75.3	75.3	71.9	70.2	69.5	69.7	70.3	71.2	72.2	73.3	74.3	75.4	76.4	77.4
40	73.8	73.8	70.3	68.5	67.8	67.9	68.4	69.3	70.2	71.2	72.2	73.2	74.2	75.2
50	72.5	72.5	69	67.2	66.4	66.5	67	67.8	68.7	69.7	70.6	71.6	72.6	73.5
60	71.5	71.5	67.9	66.1	65.3	65.3	65.8	66.6	67.5	68.4	69.4	70.3	71.3	72.2
70	70.5	70.5	67	65.1	64.3	64.3	64.8	65.5	66.4	67.3	68.2	69.2	70.1	71
80	69.7	69.7	66.1	64.2	63.4	63.4	63.9	64.6	65.4	66.3	67.2	68.1	69	69.9
90	68.9	68.9	65.4	63.5	62.7	62.6	63.1	63.8	64.6	65.5	66.4	67.2	68.1	69
100	68.3	68.3	64.8	62.9	62	62	62.4	63.1	63.9	64.7	65.6	66.4	67.3	68.1
110	67.7	67.7	64.2	62.2	61.4	61.3	61.7	62.4	63.2	64	64.8	65.6	66.5	67.3
120	67.2	67.2	63.6	61.7	60.8	60.7	61.1	61.7	62.5	63.3	64.1	64.9	65.7	66.5
130	66.7	66.7	63.1	61.2	60.3	60.2	60.5	61.2	61.9	62.6	63.4	64.2	65	65.8
140	66.3	66.3	62.6	60.7	59.8	59.7	60	60.6	61.3	62	62.8	63.6	64.3	65.1
150	65.8	65.8	62.2	60.2	59.3	59.2	59.5	60.1	60.8	61.5	62.2	62.9	63.7	64.4
160	65.4	65.4	61.8	59.8	58.9	58.7	59	59.6	60.2	60.9	61.6	62.3	63	63.7
170	65.1	65.1	61.4	59.4	58.4	58.3	58.5	59.1	59.7	60.4	61	61.7	62.4	63.1
180	64.7	64.7	61	59	58	57.8	58.1	58.6	59.2	59.8	60.5	61.2	61.8	62.5
190	64.3	64.3	60.6	58.6	57.6	57.4	57.6	58.1	58.7	59.3	60	60.6	61.2	61.9
200	63.9	63.9	60.3	58.2	57.2	57	57.2	57.7	58.2	58.8	59.4	60.1	60.7	61.3
210	63.6	63.6	59.9	57.8	56.8	56.6	56.8	57.2	57.8	58.3	58.9	59.5	60.1	60.8
220	63.2	63.2	59.5	57.5	56.4	56.2	56.4	56.8	57.3	57.9	58.4	59	59.6	60.2
230	62.9	62.9	59.2	57.1	56.1	55.8	56	56.4	56.9	57.4	58	58.5	59.1	59.7
240	62.6	62.6	58.9	56.8	55.7	55.4	55.6	56	56.5	57	57.5	58.1	58.6	59.2
250	62.3	62.3	58.6	56.5	55.4	55.1	55.2	55.6	56.1	56.6	57.1	57.6	58.2	58.7
260	62	62	58.3	56.2	55.1	54.8	54.9	55.3	55.7	56.2	56.7	57.2	57.7	58.3
270	61.8	61.8	58	55.9	54.8	54.5	54.6	54.9	55.4	55.8	56.3	56.8	57.3	57.8
280	61.5	61.5	57.7	55.6	54.5	54.2	54.3	54.6	55	55.5	55.9	56.4	56.9	57.4
290	61.2	61.2	57.5	55.3	54.2	53.9	54	54.3	54.7	55.1	55.6	56	56.5	57
300	61	61	57.2	55.1	54	53.6	53.7	54	54.4	54.8	55.2	55.7	56.1	56.6

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	76.8
30	71.9	71.9	69.8	69.5	69.8	70.4	71	71.7	72.3	72.9	73.5	74.1	74.6	75.2
40	70.6	70.6	68.6	68.2	68.6	69.1	69.8	70.5	71.1	71.7	72.3	72.9	73.4	74
50	69.6	69.6	67.5	67.2	67.6	68.1	68.8	69.5	70.1	70.7	71.3	71.9	72.5	73
60	68.8	68.8	66.7	66.4	66.7	67.3	67.9	68.6	69.2	69.9	70.5	71.1	71.6	72.2
70	68	68	65.9	65.6	65.9	66.5	67.2	67.9	68.5	69.1	69.7	70.3	70.9	71.4
80	67.4	67.4	65.3	64.9	65.3	65.9	66.5	67.2	67.8	68.5	69.1	69.7	70.2	70.8
90	66.8	66.8	64.7	64.3	64.7	65.3	65.9	66.6	67.2	67.9	68.5	69.1	69.6	70.2
100	66.2	66.2	64.1	63.8	64.1	64.7	65.4	66	66.7	67.3	67.9	68.5	69.1	69.6
110	65.7	65.7	63.6	63.3	63.7	64.2	64.9	65.5	66.2	66.8	67.4	68	68.6	69.1
120	65.3	65.3	63.2	62.9	63.2	63.8	64.4	65.1	65.7	66.4	67	67.5	68.1	68.6
130	64.9	64.9	62.8	62.4	62.8	63.3	64	64.7	65.3	65.9	66.5	67.1	67.7	68.2
140	64.5	64.5	62.4	62	62.4	62.9	63.6	64.3	64.9	65.5	66.1	66.7	67.2	67.8
150	64.1	64.1	62	61.7	62	62.6	63.2	63.9	64.5	65.1	65.7	66.3	66.9	67.4
160	63.8	63.8	61.7	61.3	61.6	62.2	62.9	63.5	64.2	64.8	65.4	65.9	66.5	67
170	63.4	63.4	61.3	61	61.3	61.9	62.5	63.2	63.8	64.4	65	65.6	66.1	66.7
180	63.1	63.1	61	60.7	61	61.6	62.2	62.9	63.5	64.1	64.7	65.3	65.8	66.4
190	62.8	62.8	60.7	60.4	60.7	61.3	61.9	62.5	63.2	63.8	64.4	64.9	65.5	66
200	62.6	62.6	60.4	60.1	60.4	61	61.6	62.3	62.9	63.5	64.1	64.6	65.2	65.7
210	62.3	62.3	60.2	59.8	60.1	60.7	61.3	62	62.6	63.2	63.8	64.4	64.9	65.4
220	62	62	59.9	59.6	59.9	60.4	61.1	61.7	62.3	62.9	63.5	64.1	64.6	65.2
230	61.8	61.8	59.7	59.3	59.6	60.2	60.8	61.4	62.1	62.7	63.2	63.8	64.4	64.9
240	61.5	61.5	59.4	59.1	59.4	59.9	60.6	61.2	61.8	62.4	63	63.5	64.1	64.6
250	61.3	61.3	59.2	58.8	59.1	59.7	60.3	60.9	61.6	62.2	62.7	63.3	63.8	64.4
260	61.1	61.1	59	58.6	58.9	59.5	60.1	60.7	61.3	61.9	62.5	63.1	63.6	64.1
270	60.9	60.9	58.7	58.4	58.7	59.2	59.9	60.5	61.1	61.7	62.3	62.8	63.4	63.9
280	60.7	60.7	58.5	58.2	58.5	59	59.6	60.3	60.9	61.5	62	62.6	63.1	63.7
290	60.5	60.5	58.3	58	58.3	58.8	59.4	60	60.7	61.2	61.8	62.4	62.9	63.4
300	60.3	60.3	58.1	57.8	58.1	58.6	59.2	59.8	60.4	61	61.6	62.2	62.7	63.2

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
30	67.9	67.9	65.7	65.3	65.5	66	66.6	67.2	67.7	68.3	68.9	69.4	69.9	70.5
40	65.6	65.6	63.4	62.9	63.1	63.5	64	64.6	65.1	65.7	66.2	66.7	67.2	67.7
50	63.9	63.9	61.6	61.1	61.3	61.7	62.1	62.6	63.1	63.6	64.1	64.6	65	65.5
60	62.6	62.6	60.2	59.7	59.8	60.1	60.6	61	61.5	61.9	62.4	62.8	63.2	63.7
70	61.4	61.4	59.1	58.5	58.5	58.9	59.3	59.7	60.1	60.5	60.9	61.3	61.7	62.1
80	60.4	60.4	58	57.4	57.5	57.7	58.1	58.5	58.9	59.3	59.6	60	60.3	60.7
90	59.6	59.6	57.1	56.5	56.5	56.8	57.1	57.5	57.8	58.2	58.5	58.8	59.2	59.5
100	58.8	58.8	56.4	55.7	55.7	55.9	56.2	56.6	56.9	57.2	57.5	57.8	58.1	58.4
110	58.1	58.1	55.7	55	54.9	55.2	55.4	55.7	56	56.3	56.6	56.9	57.2	57.4
120	57.5	57.5	55	54.3	54.3	54.5	54.7	55	55.3	55.5	55.8	56	56.3	56.6
130	56.9	56.9	54.4	53.7	53.6	53.8	54.1	54.3	54.6	54.8	55.1	55.3	55.5	55.8
140	56.4	56.4	53.9	53.2	53.1	53.3	53.5	53.7	54	54.2	54.4	54.6	54.8	55.1
150	55.9	55.9	53.4	52.7	52.6	52.7	53	53.2	53.4	53.6	53.8	54	54.2	54.4
160	55.5	55.5	52.9	52.2	52.1	52.2	52.4	52.7	52.9	53	53.2	53.4	53.6	53.7
170	55	55	52.5	51.8	51.7	51.8	52	52.2	52.4	52.5	52.7	52.8	53	53.2
180	54.6	54.6	52.1	51.4	51.2	51.4	51.5	51.7	51.9	52	52.2	52.3	52.5	52.6
190	54.3	54.3	51.8	51	50.9	51	51.1	51.3	51.5	51.6	51.7	51.8	52	52.1
200	53.9	53.9	51.4	50.6	50.5	50.6	50.8	50.9	51.1	51.2	51.3	51.4	51.5	51.6
210	53.6	53.6	51.1	50.3	50.2	50.2	50.4	50.5	50.7	50.8	50.9	51	51	51.1
220	53.3	53.3	50.8	50	49.8	49.9	50.1	50.2	50.3	50.4	50.5	50.6	50.6	50.7
230	53.1	53.1	50.5	49.7	49.6	49.6	49.8	49.9	50	50.1	50.2	50.2	50.3	50.3
240	52.8	52.8	50.2	49.4	49.3	49.4	49.5	49.6	49.7	49.8	49.9	49.9	50	50
250	52.6	52.6	50	49.2	49	49.1	49.2	49.4	49.5	49.5	49.6	49.6	49.7	49.7
260	52.3	52.3	49.8	49	48.8	48.9	49	49.1	49.2	49.3	49.3	49.4	49.4	49.4
270	52.1	52.1	49.6	48.7	48.6	48.6	48.8	48.9	49	49	49.1	49.1	49.1	49.1
280	51.9	51.9	49.3	48.5	48.4	48.4	48.5	48.7	48.7	48.8	48.8	48.9	48.9	48.9
290	51.7	51.7	49.1	48.3	48.2	48.2	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6
300	51.5	51.5	49	48.1	48	48	48.1	48.2	48.3	48.4	48.4	48.4	48.4	48.4

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
30	60	60	59.2	62	65.2	68	70.4	72.4	74.2	75.7	77.2	78.4	79.6	80.7
40	58.8	58.8	58	60.8	64	66.8	69.2	71.2	72.9	74.5	75.9	77.2	78.4	79.4
50	57.8	57.8	57.1	59.8	63	65.8	68.2	70.2	71.9	73.5	74.9	76.2	77.3	78.4
60	57	57	56.2	59	62.2	65	67.3	69.3	71.1	72.7	74.1	75.3	76.5	77.5
70	56.3	56.3	55.5	58.3	61.4	64.2	66.6	68.6	70.4	71.9	73.3	74.6	75.7	76.8
80	55.6	55.6	54.9	57.6	60.8	63.6	65.9	68	69.7	71.3	72.7	73.9	75.1	76.1
90	55.1	55.1	54.3	57	60.2	63	65.4	67.4	69.1	70.7	72.1	73.3	74.5	75.6
100	54.6	54.6	53.8	56.5	59.7	62.5	64.9	66.9	68.6	70.2	71.6	72.8	74	75
110	54.1	54.1	53.3	56	59.2	62	64.4	66.4	68.1	69.7	71.1	72.3	73.5	74.5
120	53.6	53.6	52.9	55.6	58.8	61.6	63.9	65.9	67.7	69.3	70.6	71.9	73	74.1
130	53.2	53.2	52.5	55.2	58.4	61.2	63.5	65.5	67.3	68.8	70.2	71.5	72.6	73.7
140	52.9	52.9	52.1	54.8	58	60.8	63.1	65.2	66.9	68.5	69.8	71.1	72.2	73.3
150	52.5	52.5	51.7	54.5	57.7	60.4	62.8	64.8	66.6	68.1	69.5	70.7	71.9	72.9
160	52.2	52.2	51.4	54.1	57.3	60.1	62.5	64.5	66.2	67.8	69.1	70.4	71.5	72.6
170	51.9	51.9	51.1	53.8	57	59.8	62.1	64.1	65.9	67.4	68.8	70.1	71.2	72.3
180	51.6	51.6	50.8	53.5	56.7	59.5	61.8	63.8	65.6	67.1	68.5	69.8	70.9	72
190	51.3	51.3	50.5	53.2	56.4	59.2	61.5	63.6	65.3	66.9	68.2	69.5	70.6	71.7
200	51	51	50.2	53	56.1	58.9	61.3	63.3	65	66.6	68	69.2	70.4	71.4
210	50.7	50.7	49.9	52.7	55.9	58.7	61	63	64.8	66.3	67.7	68.9	70.1	71.1
220	50.5	50.5	49.7	52.4	55.6	58.4	60.8	62.8	64.5	66.1	67.4	68.7	69.8	70.9
230	50.2	50.2	49.4	52.2	55.4	58.2	60.5	62.5	64.3	65.8	67.2	68.5	69.6	70.6
240	50	50	49.2	52	55.1	57.9	60.3	62.3	64	65.6	67	68.2	69.4	70.4
250	49.8	49.8	49	51.7	54.9	57.7	60.1	62.1	63.8	65.4	66.7	68	69.1	70.2
260	49.6	49.6	48.8	51.5	54.7	57.5	59.8	61.8	63.6	65.1	66.5	67.8	68.9	70
270	49.3	49.3	48.6	51.3	54.5	57.3	59.6	61.6	63.4	64.9	66.3	67.6	68.7	69.8
280	49.1	49.1	48.4	51.1	54.3	57.1	59.4	61.4	63.2	64.7	66.1	67.4	68.5	69.6
290	48.9	48.9	48.2	50.9	54.1	56.9	59.2	61.2	63	64.5	65.9	67.2	68.3	69.4
300	48.8	48.8	48	50.7	53.9	56.7	59	61	62.8	64.3	65.7	67	68.1	69.2

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
30	55.9	55.9	55.1	57.9	61.2	64	66.4	68.5	70.3	71.9	73.3	74.6	75.8	76.9
40	53.5	53.5	52.8	55.6	58.8	61.7	64.1	66.2	68	69.6	71	72.3	73.5	74.7
50	51.7	51.7	51	53.8	57.1	59.9	62.3	64.4	66.2	67.8	69.3	70.6	71.8	72.9
60	50.3	50.3	49.6	52.4	55.6	58.5	60.9	63	64.8	66.4	67.9	69.2	70.4	71.6
70	49.1	49.1	48.4	51.2	54.5	57.3	59.7	61.8	63.7	65.3	66.8	68.1	69.3	70.4
80	48	48	47.3	50.2	53.4	56.3	58.7	60.8	62.7	64.3	65.8	67.1	68.3	69.5
90	47.2	47.2	46.5	49.3	52.6	55.4	57.9	60	61.8	63.4	64.9	66.3	67.5	68.6
100	46.4	46.4	45.7	48.5	51.8	54.7	57.1	59.2	61.1	62.7	64.2	65.5	66.7	67.9
110	45.7	45.7	45	47.8	51.1	54	56.4	58.5	60.4	62	63.5	64.9	66.1	67.2
120	45.1	45.1	44.4	47.2	50.5	53.4	55.8	57.9	59.8	61.4	62.9	64.2	65.5	66.6
130	44.5	44.5	43.8	46.7	49.9	52.8	55.3	57.4	59.2	60.9	62.4	63.7	64.9	66.1
140	44	44	43.3	46.1	49.4	52.3	54.8	56.9	58.7	60.4	61.9	63.2	64.5	65.6
150	43.5	43.5	42.8	45.7	49	51.9	54.3	56.4	58.3	59.9	61.4	62.8	64	65.1
160	43.1	43.1	42.4	45.2	48.5	51.4	53.9	56	57.8	59.5	61	62.3	63.6	64.7
170	42.6	42.6	42	44.8	48.1	51	53.5	55.6	57.4	59.1	60.6	61.9	63.2	64.3
180	42.3	42.3	41.6	44.4	47.7	50.6	53.1	55.2	57.1	58.7	60.2	61.5	62.8	63.9
190	41.9	41.9	41.2	44.1	47.4	50.3	52.7	54.8	56.7	58.4	59.8	61.2	62.4	63.6
200	41.6	41.6	40.9	43.7	47	49.9	52.4	54.5	56.4	58	59.5	60.9	62.1	63.3
210	41.2	41.2	40.6	43.4	46.7	49.6	52.1	54.2	56.1	57.7	59.2	60.6	61.8	63
220	40.9	40.9	40.3	43.1	46.4	49.3	51.8	53.9	55.8	57.4	58.9	60.3	61.5	62.7
230	40.7	40.7	40	42.9	46.2	49	51.5	53.6	55.5	57.2	58.6	60	61.3	62.4
240	40.4	40.4	39.7	42.6	45.9	48.8	51.3	53.4	55.2	56.9	58.4	59.8	61	62.2
250	40.2	40.2	39.5	42.4	45.7	48.5	51	53.1	55	56.7	58.2	59.5	60.8	61.9
260	39.9	39.9	39.3	42.1	45.4	48.3	50.8	52.9	54.8	56.4	57.9	59.3	60.5	61.7
270	39.7	39.7	39.1	41.9	45.2	48.1	50.6	52.7	54.6	56.2	57.7	59.1	60.3	61.5
280	39.5	39.5	38.8	41.7	45	47.9	50.4	52.5	54.4	56	57.5	58.9	60.1	61.3
290	39.3	39.3	38.6	41.5	44.8	47.7	50.2	52.3	54.2	55.8	57.3	58.7	59.9	61.1
300	39.1	39.1	38.4	41.3	44.6	47.5	50	52.1	54	55.6	57.1	58.5	59.7	60.9

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

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	48.4	48.4	46.4	47.9	50.5	52.8	54.9	56.7	58.3	59.7	61	62.2	63.3	64.4
30	46.7	46.7	44.6	46.1	48.5	50.8	52.8	54.5	56	57.3	58.6	59.7	60.8	61.8
40	45.9	45.9	43.8	45.3	47.7	50	52	53.7	55.1	56.5	57.6	58.7	59.8	60.7
50	45.3	45.3	43.2	44.7	47.2	49.5	51.5	53.2	54.7	56	57.2	58.3	59.3	60.3
60	44.8	44.8	42.7	44.2	46.7	49.1	51.1	52.8	54.3	55.6	56.8	58	59	59.9
70	44.2	44.2	42.2	43.7	46.3	48.6	50.6	52.4	53.9	55.3	56.5	57.6	58.6	59.6
80	43.7	43.7	41.7	43.3	45.8	48.2	50.2	52	53.5	54.9	56.1	57.2	58.2	59.2
90	43.3	43.3	41.3	42.8	45.4	47.8	49.8	51.5	53.1	54.5	55.7	56.8	57.9	58.8
100	42.9	42.9	40.8	42.4	45	47.3	49.4	51.1	52.7	54.1	55.3	56.4	57.5	58.5
110	42.5	42.5	40.4	42	44.6	46.9	49	50.8	52.3	53.7	54.9	56	57.1	58.1
120	42.1	42.1	40.1	41.6	44.2	46.6	48.6	50.4	51.9	53.3	54.5	55.7	56.7	57.7
130	41.7	41.7	39.7	41.3	43.8	46.2	48.3	50	51.6	52.9	54.2	55.3	56.4	57.4
140	41.4	41.4	39.4	40.9	43.5	45.9	47.9	49.7	51.2	52.6	53.8	55	56	57
150	41.1	41.1	39	40.6	43.2	45.5	47.6	49.4	50.9	52.3	53.5	54.6	55.7	56.7
160	40.8	40.8	38.7	40.3	42.9	45.2	47.3	49	50.6	52	53.2	54.3	55.4	56.4
170	40.5	40.5	38.5	40	42.6	44.9	47	48.7	50.3	51.6	52.9	54	55.1	56.1
180	40.2	40.2	38.2	39.7	42.3	44.7	46.7	48.5	50	51.4	52.6	53.7	54.8	55.8
190	39.9	39.9	37.9	39.5	42	44.4	46.4	48.2	49.7	51.1	52.3	53.4	54.5	55.5
200	39.7	39.7	37.7	39.2	41.8	44.1	46.2	47.9	49.4	50.8	52	53.2	54.2	55.2
210	39.4	39.4	37.4	39	41.5	43.9	45.9	47.7	49.2	50.5	51.8	52.9	53.9	54.9
220	39.2	39.2	37.2	38.7	41.3	43.6	45.7	47.4	48.9	50.3	51.5	52.6	53.7	54.7
230	39	39	37	38.5	41	43.4	45.4	47.2	48.7	50	51.3	52.4	53.4	54.4
240	38.8	38.8	36.7	38.3	40.8	43.2	45.2	46.9	48.5	49.8	51	52.2	53.2	54.2
250	38.6	38.6	36.5	38.1	40.6	42.9	45	46.7	48.2	49.6	50.8	51.9	53	53.9
260	38.4	38.4	36.3	37.9	40.4	42.7	44.8	46.5	48	49.4	50.6	51.7	52.7	53.7
270	38.2	38.2	36.1	37.7	40.2	42.5	44.5	46.3	47.8	49.1	50.4	51.5	52.5	53.5
280	38	38	35.9	37.5	40	42.3	44.3	46.1	47.6	48.9	50.1	51.3	52.3	53.2
290	37.8	37.8	35.7	37.3	39.8	42.1	44.1	45.9	47.4	48.7	49.9	51	52.1	53
300	37.6	37.6	35.6	37.1	39.6	41.9	44	45.7	47.2	48.5	49.7	50.8	51.9	52.8

* 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	46.3	46.3	44.1	45.5	48	50.2	52.2	53.8	55.3	56.6	57.8	58.9	60	60.9
30	44.8	44.8	42.6	44	46.3	48.5	50.4	52	53.4	54.6	55.8	56.9	57.9	58.8
40	43.9	43.9	41.7	43.1	45.4	47.6	49.5	51.1	52.4	53.6	54.7	55.8	56.7	57.6
50	43.3	43.3	41.1	42.5	44.8	47	48.9	50.5	51.8	53	54.1	55.1	56	56.9
60	42.7	42.7	40.5	41.9	44.3	46.5	48.4	50	51.3	52.6	53.6	54.6	55.6	56.4
70	42.2	42.2	40	41.4	43.8	46.1	47.9	49.5	50.9	52.1	53.2	54.2	55.2	56
80	41.7	41.7	39.6	41	43.4	45.6	47.5	49.1	50.5	51.8	52.9	53.9	54.8	55.7
90	41.3	41.3	39.1	40.6	43	45.2	47.1	48.7	50.1	51.4	52.5	53.5	54.5	55.3
100	40.9	40.9	38.7	40.2	42.6	44.8	46.7	48.4	49.8	51	52.1	53.2	54.1	55
110	40.5	40.5	38.3	39.8	42.2	44.4	46.4	48	49.4	50.7	51.8	52.8	53.8	54.7
120	40.1	40.1	38	39.4	41.8	44.1	46	47.6	49	50.3	51.4	52.5	53.4	54.3
130	39.8	39.8	37.6	39.1	41.5	43.7	45.7	47.3	48.7	50	51.1	52.1	53.1	54
140	39.4	39.4	37.3	38.7	41.2	43.4	45.3	47	48.4	49.6	50.8	51.8	52.8	53.7
150	39.1	39.1	37	38.4	40.8	43.1	45	46.6	48.1	49.3	50.5	51.5	52.4	53.3
160	38.8	38.8	36.7	38.1	40.5	42.8	44.7	46.3	47.8	49	50.1	51.2	52.1	53
170	38.5	38.5	36.4	37.8	40.3	42.5	44.4	46.1	47.5	48.7	49.9	50.9	51.8	52.7
180	38.3	38.3	36.1	37.6	40	42.2	44.1	45.8	47.2	48.4	49.6	50.6	51.6	52.5
190	38	38	35.9	37.3	39.7	42	43.9	45.5	46.9	48.2	49.3	50.3	51.3	52.2
200	37.8	37.8	35.6	37.1	39.5	41.7	43.6	45.3	46.7	47.9	49	50.1	51	51.9
210	37.5	37.5	35.4	36.8	39.2	41.5	43.4	45	46.4	47.7	48.8	49.8	50.8	51.6
220	37.3	37.3	35.2	36.6	39	41.2	43.1	44.8	46.2	47.4	48.5	49.6	50.5	51.4
230	37.1	37.1	34.9	36.4	38.8	41	42.9	44.5	45.9	47.2	48.3	49.3	50.3	51.1
240	36.9	36.9	34.7	36.1	38.6	40.8	42.7	44.3	45.7	46.9	48.1	49.1	50	50.9
250	36.7	36.7	34.5	35.9	38.3	40.6	42.5	44.1	45.5	46.7	47.8	48.8	49.8	50.7
260	36.5	36.5	34.3	35.7	38.1	40.4	42.3	43.9	45.3	46.5	47.6	48.6	49.6	50.4
270	36.3	36.3	34.1	35.5	37.9	40.2	42.1	43.7	45.1	46.3	47.4	48.4	49.3	50.2
280	36.1	36.1	33.9	35.3	37.7	40	41.9	43.5	44.9	46.1	47.2	48.2	49.1	50
290	35.9	35.9	33.8	35.2	37.6	39.8	41.7	43.3	44.7	45.9	47	48	48.9	49.8
300	35.7	35.7	33.6	35	37.4	39.6	41.5	43.1	44.5	45.7	46.8	47.8	48.7	49.6

* 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	44.7	44.7	42.5	43.9	46.3	48.5	50.4	52	53.4	54.6	55.8	56.8	57.8	58.8
30	43.4	43.4	41.2	42.5	44.8	47	48.8	50.4	51.7	52.9	54	55	56	56.9
40	42.5	42.5	40.2	41.5	43.8	46	47.8	49.3	50.6	51.8	52.8	53.8	54.8	55.6
50	41.8	41.8	39.5	40.8	43.1	45.2	47	48.5	49.8	51	52	52.9	53.8	54.6
60	41.2	41.2	38.9	40.2	42.5	44.7	46.5	48	49.2	50.4	51.4	52.3	53.2	54
70	40.7	40.7	38.4	39.8	42.1	44.2	46	47.5	48.8	49.9	50.9	51.9	52.7	53.5
80	40.2	40.2	38	39.3	41.6	43.8	45.6	47.1	48.4	49.5	50.6	51.5	52.4	53.2
90	39.8	39.8	37.6	38.9	41.2	43.4	45.2	46.7	48	49.2	50.2	51.2	52	52.8
100	39.4	39.4	37.2	38.5	40.8	43	44.8	46.4	47.7	48.9	49.9	50.8	51.7	52.5
110	39	39	36.8	38.1	40.5	42.6	44.5	46	47.4	48.5	49.6	50.5	51.4	52.2
120	38.6	38.6	36.4	37.8	40.1	42.3	44.1	45.7	47	48.2	49.3	50.2	51.1	51.9
130	38.3	38.3	36.1	37.5	39.8	42	43.8	45.4	46.7	47.9	48.9	49.9	50.8	51.6
140	38	38	35.8	37.1	39.5	41.7	43.5	45.1	46.4	47.6	48.6	49.6	50.5	51.3
150	37.7	37.7	35.5	36.8	39.2	41.4	43.2	44.8	46.1	47.3	48.3	49.3	50.2	51
160	37.4	37.4	35.2	36.5	38.9	41.1	42.9	44.5	45.8	47	48.1	49	49.9	50.7
170	37.1	37.1	34.9	36.3	38.6	40.8	42.6	44.2	45.5	46.7	47.8	48.7	49.6	50.5
180	36.8	36.8	34.6	36	38.4	40.5	42.4	43.9	45.3	46.5	47.5	48.5	49.4	50.2
190	36.6	36.6	34.4	35.8	38.1	40.3	42.1	43.7	45	46.2	47.3	48.2	49.1	49.9
200	36.4	36.4	34.2	35.5	37.9	40	41.9	43.4	44.8	45.9	47	48	48.9	49.7
210	36.1	36.1	33.9	35.3	37.6	39.8	41.6	43.2	44.5	45.7	46.8	47.7	48.6	49.4
220	35.9	35.9	33.7	35.1	37.4	39.6	41.4	43	44.3	45.5	46.5	47.5	48.4	49.2
230	35.7	35.7	33.5	34.8	37.2	39.3	41.2	42.7	44.1	45.2	46.3	47.2	48.1	48.9
240	35.5	35.5	33.3	34.6	37	39.1	41	42.5	43.8	45	46.1	47	47.9	48.7
250	35.3	35.3	33.1	34.4	36.8	38.9	40.7	42.3	43.6	44.8	45.8	46.8	47.7	48.5
260	35.1	35.1	32.9	34.2	36.6	38.7	40.5	42.1	43.4	44.6	45.6	46.6	47.4	48.3
270	34.9	34.9	32.7	34	36.4	38.5	40.3	41.9	43.2	44.4	45.4	46.4	47.2	48.1
280	34.7	34.7	32.5	33.8	36.2	38.3	40.2	41.7	43	44.2	45.2	46.2	47	47.8
290	34.5	34.5	32.3	33.7	36	38.1	40	41.5	42.8	44	45	46	46.8	47.6
300	34.4	34.4	32.1	33.5	35.8	38	39.8	41.3	42.6	43.8	44.8	45.8	46.6	47.4

* 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	43.4	43.4	41.2	42.5	44.9	47	48.9	50.4	51.8	53	54.1	55.1	56.1	57
30	42.2	42.2	39.9	41.2	43.5	45.6	47.4	48.9	50.2	51.4	52.4	53.4	54.3	55.1
40	41.3	41.3	39	40.3	42.5	44.6	46.4	47.8	49.1	50.2	51.3	52.2	53.1	53.9
50	40.5	40.5	38.3	39.5	41.8	43.8	45.6	47.1	48.3	49.4	50.4	51.3	52.2	53
60	39.9	39.9	37.7	38.9	41.2	43.2	45	46.4	47.7	48.8	49.7	50.6	51.4	52.2
70	39.4	39.4	37.1	38.4	40.7	42.7	44.5	45.9	47.2	48.2	49.2	50.1	50.9	51.6
80	38.9	38.9	36.7	38	40.2	42.3	44	45.5	46.7	47.8	48.8	49.6	50.4	51.2
90	38.5	38.5	36.3	37.5	39.8	41.9	43.6	45.1	46.4	47.4	48.4	49.3	50.1	50.8
100	38.1	38.1	35.9	37.2	39.4	41.5	43.3	44.8	46	47.1	48.1	48.9	49.7	50.5
110	37.7	37.7	35.5	36.8	39.1	41.2	42.9	44.4	45.7	46.8	47.7	48.6	49.4	50.2
120	37.4	37.4	35.1	36.5	38.7	40.8	42.6	44.1	45.4	46.5	47.4	48.3	49.1	49.9
130	37.1	37.1	34.8	36.1	38.4	40.5	42.3	43.8	45.1	46.2	47.1	48	48.9	49.6
140	36.8	36.8	34.5	35.8	38.1	40.2	42	43.5	44.8	45.9	46.9	47.8	48.6	49.3
150	36.5	36.5	34.2	35.5	37.8	39.9	41.7	43.2	44.5	45.6	46.6	47.5	48.3	49.1
160	36.2	36.2	33.9	35.2	37.5	39.7	41.4	42.9	44.2	45.3	46.3	47.2	48	48.8
170	35.9	35.9	33.7	35	37.3	39.4	41.2	42.7	43.9	45	46	46.9	47.8	48.5
180	35.6	35.6	33.4	34.7	37	39.1	40.9	42.4	43.7	44.8	45.8	46.7	47.5	48.3
190	35.4	35.4	33.1	34.5	36.8	38.9	40.6	42.1	43.4	44.5	45.5	46.4	47.3	48
200	35.2	35.2	32.9	34.2	36.5	38.6	40.4	41.9	43.2	44.3	45.3	46.2	47	47.8
210	34.9	34.9	32.7	34	36.3	38.4	40.2	41.7	42.9	44.1	45	45.9	46.8	47.5
220	34.7	34.7	32.5	33.8	36.1	38.2	39.9	41.4	42.7	43.8	44.8	45.7	46.5	47.3
230	34.5	34.5	32.2	33.5	35.8	37.9	39.7	41.2	42.5	43.6	44.6	45.5	46.3	47.1
240	34.3	34.3	32	33.3	35.6	37.7	39.5	41	42.3	43.4	44.4	45.3	46.1	46.8
250	34.1	34.1	31.8	33.1	35.4	37.5	39.3	40.8	42.1	43.2	44.1	45	45.9	46.6
260	33.9	33.9	31.6	32.9	35.2	37.3	39.1	40.6	41.9	43	43.9	44.8	45.6	46.4
270	33.7	33.7	31.5	32.8	35	37.1	38.9	40.4	41.7	42.8	43.7	44.6	45.4	46.2
280	33.5	33.5	31.3	32.6	34.9	37	38.7	40.2	41.5	42.6	43.5	44.4	45.2	46
290	33.4	33.4	31.1	32.4	34.7	36.8	38.5	40	41.3	42.4	43.3	44.2	45	45.8
300	33.2	33.2	30.9	32.2	34.5	36.6	38.4	39.8	41.1	42.2	43.1	44	44.8	45.6

* 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	42.3	42.3	40.1	41.4	43.7	45.9	47.7	49.2	50.6	51.8	52.8	53.8	54.8	55.7
30	41.2	41.2	38.9	40.2	42.4	44.5	46.2	47.7	49	50.1	51.1	52	52.9	53.7
40	40.3	40.3	38	39.2	41.5	43.6	45.3	46.8	48	49.1	50.1	51	51.8	52.6
50	39.5	39.5	37.2	38.5	40.7	42.7	44.5	45.9	47.1	48.2	49.2	50.1	50.9	51.7
60	38.9	38.9	36.6	37.8	40	42.1	43.8	45.2	46.4	47.5	48.4	49.3	50.1	50.8
70	38.4	38.4	36	37.3	39.5	41.5	43.2	44.6	45.8	46.9	47.8	48.6	49.4	50.1
80	37.9	37.9	35.6	36.8	39	41.1	42.8	44.2	45.4	46.4	47.3	48.2	48.9	49.6
90	37.5	37.5	35.2	36.4	38.6	40.7	42.4	43.8	45	46	47	47.8	48.5	49.2
100	37.1	37.1	34.8	36	38.3	40.3	42	43.5	44.7	45.7	46.6	47.5	48.2	48.9
110	36.7	36.7	34.4	35.7	37.9	40	41.7	43.1	44.3	45.4	46.3	47.1	47.9	48.6
120	36.4	36.4	34.1	35.3	37.6	39.7	41.4	42.8	44	45.1	46	46.9	47.6	48.3
130	36	36	33.7	35	37.3	39.3	41.1	42.5	43.7	44.8	45.7	46.6	47.3	48.1
140	35.7	35.7	33.4	34.7	37	39	40.8	42.2	43.4	44.5	45.4	46.3	47.1	47.8
150	35.4	35.4	33.1	34.4	36.7	38.8	40.5	41.9	43.2	44.2	45.2	46	46.8	47.5
160	35.1	35.1	32.9	34.1	36.4	38.5	40.2	41.7	42.9	44	44.9	45.8	46.5	47.3
170	34.9	34.9	32.6	33.9	36.1	38.2	40	41.4	42.6	43.7	44.7	45.5	46.3	47
180	34.6	34.6	32.3	33.6	35.9	38	39.7	41.1	42.4	43.5	44.4	45.3	46	46.8
190	34.4	34.4	32.1	33.4	35.6	37.7	39.5	40.9	42.1	43.2	44.2	45	45.8	46.5
200	34.1	34.1	31.9	33.1	35.4	37.5	39.2	40.7	41.9	43	43.9	44.8	45.5	46.3
210	33.9	33.9	31.6	32.9	35.2	37.2	39	40.4	41.7	42.7	43.7	44.5	45.3	46
220	33.7	33.7	31.4	32.7	34.9	37	38.8	40.2	41.4	42.5	43.4	44.3	45.1	45.8
230	33.5	33.5	31.2	32.5	34.7	36.8	38.5	40	41.2	42.3	43.2	44.1	44.9	45.6
240	33.3	33.3	31	32.3	34.5	36.6	38.3	39.8	41	42.1	43	43.9	44.6	45.4
250	33.1	33.1	30.8	32.1	34.3	36.4	38.1	39.6	40.8	41.9	42.8	43.6	44.4	45.1
260	32.9	32.9	30.6	31.9	34.1	36.2	37.9	39.4	40.6	41.7	42.6	43.4	44.2	44.9
270	32.7	32.7	30.4	31.7	33.9	36	37.7	39.2	40.4	41.5	42.4	43.2	44	44.7
280	32.5	32.5	30.2	31.5	33.8	35.8	37.6	39	40.2	41.3	42.2	43	43.8	44.5
290	32.3	32.3	30.1	31.3	33.6	35.6	37.4	38.8	40	41.1	42	42.8	43.6	44.3
300	32.2	32.2	29.9	31.2	33.4	35.5	37.2	38.6	39.8	40.9	41.8	42.7	43.4	44.1

* 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	41.3	41.3	39.1	40.4	42.7	44.8	46.6	48.2	49.5	50.7	51.8	52.7	53.7	54.5
30	40.4	40.4	38.1	39.3	41.6	43.6	45.4	46.8	48.1	49.2	50.2	51.1	52	52.8
40	39.4	39.4	37.1	38.4	40.6	42.7	44.4	45.9	47.1	48.2	49.2	50.1	51	51.8
50	38.7	38.7	36.4	37.6	39.8	41.9	43.6	45	46.2	47.3	48.3	49.2	50	50.7
60	38	38	35.7	36.9	39.2	41.2	42.9	44.3	45.5	46.6	47.5	48.4	49.2	49.9
70	37.5	37.5	35.1	36.4	38.6	40.6	42.3	43.7	44.9	45.9	46.8	47.6	48.4	49.1
80	37	37	34.6	35.9	38.1	40.1	41.8	43.2	44.3	45.4	46.3	47.1	47.8	48.5
90	36.5	36.5	34.2	35.4	37.6	39.7	41.3	42.7	43.9	44.9	45.8	46.6	47.3	48
100	36.1	36.1	33.8	35	37.3	39.3	41	42.4	43.5	44.5	45.4	46.2	47	47.6
110	35.8	35.8	33.5	34.7	36.9	38.9	40.6	42	43.2	44.2	45.1	45.9	46.6	47.3
120	35.4	35.4	33.1	34.4	36.6	38.6	40.3	41.7	42.9	43.9	44.8	45.6	46.3	47
130	35.1	35.1	32.8	34	36.3	38.3	40	41.4	42.6	43.6	44.5	45.3	46.1	46.8
140	34.8	34.8	32.5	33.7	36	38	39.7	41.1	42.3	43.3	44.3	45.1	45.8	46.5
150	34.5	34.5	32.2	33.5	35.7	37.7	39.4	40.9	42.1	43.1	44	44.8	45.6	46.3
160	34.2	34.2	31.9	33.2	35.4	37.5	39.2	40.6	41.8	42.8	43.7	44.6	45.3	46
170	34	34	31.7	32.9	35.2	37.2	38.9	40.3	41.5	42.6	43.5	44.3	45.1	45.8
180	33.7	33.7	31.4	32.7	34.9	37	38.7	40.1	41.3	42.3	43.3	44.1	44.8	45.5
190	33.5	33.5	31.2	32.4	34.7	36.7	38.4	39.9	41.1	42.1	43	43.9	44.6	45.3
200	33.2	33.2	30.9	32.2	34.4	36.5	38.2	39.6	40.8	41.9	42.8	43.6	44.4	45.1
210	33	33	30.7	32	34.2	36.3	38	39.4	40.6	41.7	42.6	43.4	44.2	44.9
220	32.8	32.8	30.5	31.8	34	36	37.8	39.2	40.4	41.4	42.3	43.2	43.9	44.6
230	32.6	32.6	30.3	31.5	33.8	35.8	37.5	39	40.2	41.2	42.1	43	43.7	44.4
240	32.4	32.4	30.1	31.3	33.6	35.6	37.3	38.8	40	41	41.9	42.8	43.5	44.2
250	32.2	32.2	29.9	31.1	33.4	35.4	37.1	38.6	39.8	40.8	41.7	42.6	43.3	44
260	32	32	29.7	31	33.2	35.2	36.9	38.4	39.6	40.6	41.5	42.4	43.1	43.8
270	31.8	31.8	29.5	30.8	33	35.1	36.8	38.2	39.4	40.4	41.3	42.2	42.9	43.6
280	31.6	31.6	29.3	30.6	32.8	34.9	36.6	38	39.2	40.2	41.1	42	42.7	43.4
290	31.5	31.5	29.2	30.4	32.6	34.7	36.4	37.8	39	40	41	41.8	42.5	43.2
300	31.3	31.3	29	30.2	32.5	34.5	36.2	37.6	38.8	39.9	40.8	41.6	42.3	43

* 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	40.4	40.4	38.1	39.4	41.7	43.8	45.6	47.1	48.4	49.6	50.6	51.6	52.5	53.4
30	39.5	39.5	37.2	38.5	40.7	42.8	44.5	45.9	47.1	48.2	49.2	50.1	50.9	51.7
40	38.7	38.7	36.3	37.6	39.8	41.8	43.5	44.9	46.1	47.2	48.1	49	49.8	50.6
50	37.9	37.9	35.5	36.8	39	41	42.7	44.1	45.3	46.3	47.2	48.1	48.9	49.6
60	37.2	37.2	34.9	36.1	38.3	40.3	42	43.4	44.5	45.6	46.5	47.3	48.1	48.8
70	36.6	36.6	34.3	35.5	37.7	39.7	41.4	42.7	43.9	44.9	45.8	46.6	47.3	48
80	36.1	36.1	33.8	35	37.2	39.2	40.8	42.2	43.4	44.3	45.2	46	46.7	47.4
90	35.7	35.7	33.4	34.6	36.8	38.7	40.4	41.8	42.9	43.9	44.7	45.5	46.2	46.9
100	35.3	35.3	33	34.2	36.4	38.4	40	41.4	42.5	43.5	44.3	45.1	45.8	46.5
110	34.9	34.9	32.6	33.8	36	38	39.7	41	42.2	43.2	44	44.8	45.5	46.1
120	34.6	34.6	32.3	33.5	35.7	37.7	39.3	40.7	41.9	42.8	43.7	44.5	45.2	45.8
130	34.3	34.3	31.9	33.2	35.4	37.4	39	40.4	41.6	42.6	43.4	44.2	44.9	45.5
140	34	34	31.6	32.9	35.1	37.1	38.7	40.1	41.3	42.3	43.2	43.9	44.6	45.3
150	33.7	33.7	31.3	32.6	34.8	36.8	38.5	39.9	41	42	42.9	43.7	44.4	45
160	33.4	33.4	31.1	32.3	34.5	36.5	38.2	39.6	40.8	41.8	42.6	43.4	44.1	44.8
170	33.1	33.1	30.8	32	34.2	36.3	37.9	39.3	40.5	41.5	42.4	43.2	43.9	44.6
180	32.9	32.9	30.6	31.8	34	36	37.7	39.1	40.3	41.3	42.1	42.9	43.6	44.3
190	32.6	32.6	30.3	31.5	33.8	35.8	37.5	38.9	40	41	41.9	42.7	43.4	44.1
200	32.4	32.4	30.1	31.3	33.5	35.5	37.2	38.6	39.8	40.8	41.7	42.5	43.2	43.8
210	32.2	32.2	29.9	31.1	33.3	35.3	37	38.4	39.6	40.6	41.5	42.2	43	43.6
220	32	32	29.6	30.9	33.1	35.1	36.8	38.2	39.3	40.4	41.2	42	42.7	43.4
230	31.7	31.7	29.4	30.7	32.9	34.9	36.6	38	39.1	40.1	41	41.8	42.5	43.2
240	31.5	31.5	29.2	30.5	32.7	34.7	36.4	37.8	38.9	39.9	40.8	41.6	42.3	43
250	31.3	31.3	29	30.3	32.5	34.5	36.2	37.6	38.7	39.7	40.6	41.4	42.1	42.8
260	31.2	31.2	28.8	30.1	32.3	34.3	36	37.4	38.5	39.5	40.4	41.2	41.9	42.6
270	31	31	28.7	29.9	32.1	34.1	35.8	37.2	38.3	39.3	40.2	41	41.7	42.4
280	30.8	30.8	28.5	29.7	31.9	33.9	35.6	37	38.2	39.1	40	40.8	41.5	42.2
290	30.6	30.6	28.3	29.5	31.7	33.8	35.4	36.8	38	39	39.8	40.6	41.3	42
300	30.5	30.5	28.1	29.4	31.6	33.6	35.3	36.6	37.8	38.8	39.7	40.4	41.1	41.8

* 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	39.5	39.5	37.3	38.5	40.8	42.9	44.7	46.2	47.4	48.5	49.6	50.5	51.3	52.1
30	38.8	38.8	36.5	37.7	39.9	42	43.7	45.1	46.3	47.3	48.3	49.1	49.9	50.7
40	38	38	35.6	36.9	39.1	41.1	42.8	44.2	45.4	46.5	47.4	48.2	49	49.8
50	37.2	37.2	34.9	36.1	38.3	40.3	42	43.4	44.6	45.6	46.6	47.4	48.2	48.9
60	36.5	36.5	34.2	35.4	37.6	39.6	41.2	42.6	43.8	44.8	45.7	46.5	47.2	48
70	35.9	35.9	33.6	34.8	37	38.9	40.6	42	43.1	44.1	45	45.8	46.5	47.2
80	35.4	35.4	33.1	34.3	36.4	38.4	40.1	41.4	42.6	43.6	44.4	45.2	45.9	46.6
90	35	35	32.6	33.8	36	38	39.6	41	42.1	43.1	43.9	44.7	45.4	46.1
100	34.6	34.6	32.2	33.4	35.6	37.6	39.2	40.6	41.7	42.7	43.5	44.3	45	45.6
110	34.2	34.2	31.9	33.1	35.2	37.2	38.9	40.2	41.3	42.3	43.2	43.9	44.6	45.2
120	33.8	33.8	31.5	32.7	34.9	36.9	38.5	39.9	41	42	42.8	43.6	44.3	44.9
130	33.5	33.5	31.2	32.4	34.6	36.6	38.2	39.6	40.7	41.7	42.5	43.3	44	44.6
140	33.2	33.2	30.9	32.1	34.3	36.3	37.9	39.3	40.4	41.4	42.3	43	43.7	44.3
150	32.9	32.9	30.6	31.8	34	36	37.7	39	40.2	41.1	42	42.7	43.4	44.1
160	32.7	32.7	30.3	31.5	33.7	35.7	37.4	38.8	39.9	40.9	41.7	42.5	43.2	43.8
170	32.4	32.4	30.1	31.3	33.5	35.5	37.1	38.5	39.7	40.6	41.5	42.3	43	43.6
180	32.1	32.1	29.8	31	33.2	35.2	36.9	38.3	39.4	40.4	41.3	42	42.7	43.4
190	31.9	31.9	29.6	30.8	33	35	36.7	38	39.2	40.2	41	41.8	42.5	43.1
200	31.7	31.7	29.3	30.6	32.8	34.8	36.4	37.8	39	39.9	40.8	41.6	42.3	42.9
210	31.4	31.4	29.1	30.3	32.5	34.5	36.2	37.6	38.7	39.7	40.6	41.3	42	42.7
220	31.2	31.2	28.9	30.1	32.3	34.3	36	37.4	38.5	39.5	40.4	41.1	41.8	42.5
230	31	31	28.7	29.9	32.1	34.1	35.8	37.2	38.3	39.3	40.2	40.9	41.6	42.2
240	30.8	30.8	28.5	29.7	31.9	33.9	35.6	37	38.1	39.1	39.9	40.7	41.4	42
250	30.6	30.6	28.3	29.5	31.7	33.7	35.4	36.8	37.9	38.9	39.7	40.5	41.2	41.8
260	30.4	30.4	28.1	29.3	31.5	33.5	35.2	36.6	37.7	38.7	39.5	40.3	41	41.6
270	30.3	30.3	27.9	29.1	31.3	33.3	35	36.4	37.5	38.5	39.4	40.1	40.8	41.4
280	30.1	30.1	27.8	29	31.2	33.2	34.8	36.2	37.3	38.3	39.2	39.9	40.6	41.3
290	29.9	29.9	27.6	28.8	31	33	34.7	36	37.2	38.1	39	39.7	40.4	41.1
300	29.7	29.7	27.4	28.6	30.8	32.8	34.5	35.8	37	38	38.8	39.6	40.3	40.9

* 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	39	39	36.7	38	40.3	42.4	44.2	45.7	47	48.1	49.2	50.1	51	51.8
30	38.2	38.2	35.9	37.1	39.4	41.4	43.1	44.5	45.7	46.8	47.7	48.6	49.4	50.2
40	37.3	37.3	35	36.2	38.4	40.5	42.1	43.5	44.7	45.8	46.7	47.5	48.3	49
50	36.6	36.6	34.3	35.5	37.7	39.7	41.4	42.9	44.1	45.1	46	46.9	47.7	48.4
60	35.9	35.9	33.6	34.8	37	39.1	40.7	42.1	43.3	44.4	45.3	46.1	46.9	47.6
70	35.3	35.3	33	34.2	36.4	38.4	40.1	41.5	42.6	43.7	44.6	45.4	46.1	46.8
80	34.8	34.8	32.5	33.7	35.9	37.9	39.5	40.9	42	43	43.9	44.7	45.5	46.2
90	34.3	34.3	32	33.2	35.4	37.4	39	40.4	41.5	42.5	43.3	44.1	44.8	45.5
100	33.9	33.9	31.6	32.8	34.9	36.9	38.6	39.9	41	42	42.8	43.6	44.3	44.9
110	33.5	33.5	31.2	32.4	34.5	36.5	38.2	39.5	40.6	41.6	42.4	43.2	43.8	44.5
120	33.2	33.2	30.8	32	34.2	36.2	37.8	39.2	40.3	41.2	42.1	42.8	43.5	44.1
130	32.9	32.9	30.5	31.7	33.9	35.9	37.5	38.8	40	40.9	41.8	42.5	43.2	43.8
140	32.6	32.6	30.2	31.4	33.6	35.6	37.2	38.6	39.7	40.6	41.5	42.2	42.9	43.5
150	32.3	32.3	29.9	31.1	33.3	35.3	36.9	38.3	39.4	40.4	41.2	42	42.6	43.3
160	32	32	29.7	30.9	33	35	36.7	38	39.2	40.1	41	41.7	42.4	43
170	31.7	31.7	29.4	30.6	32.8	34.8	36.4	37.8	38.9	39.9	40.8	41.5	42.2	42.8
180	31.5	31.5	29.2	30.4	32.6	34.6	36.2	37.6	38.7	39.7	40.5	41.3	42	42.6
190	31.3	31.3	28.9	30.1	32.3	34.3	36	37.3	38.5	39.5	40.3	41.1	41.8	42.4
200	31	31	28.7	29.9	32.1	34.1	35.8	37.1	38.3	39.2	40.1	40.8	41.5	42.2
210	30.8	30.8	28.5	29.7	31.9	33.9	35.5	36.9	38	39	39.9	40.6	41.3	42
220	30.6	30.6	28.3	29.5	31.7	33.7	35.3	36.7	37.8	38.8	39.7	40.4	41.1	41.7
230	30.4	30.4	28.1	29.3	31.5	33.5	35.1	36.5	37.6	38.6	39.5	40.2	40.9	41.5
240	30.2	30.2	27.9	29.1	31.3	33.3	34.9	36.3	37.4	38.4	39.3	40	40.7	41.3
250	30	30	27.7	28.9	31.1	33.1	34.7	36.1	37.2	38.2	39.1	39.8	40.5	41.1
260	29.8	29.8	27.5	28.7	30.9	32.9	34.5	35.9	37	38	38.9	39.6	40.3	40.9
270	29.6	29.6	27.3	28.5	30.7	32.7	34.4	35.7	36.9	37.8	38.7	39.4	40.1	40.7
280	29.5	29.5	27.1	28.3	30.5	32.5	34.2	35.5	36.7	37.6	38.5	39.2	39.9	40.6
290	29.3	29.3	26.9	28.2	30.3	32.3	34	35.4	36.5	37.5	38.3	39.1	39.7	40.4
300	29.1	29.1	26.8	28	30.2	32.2	33.8	35.2	36.3	37.3	38.1	38.9	39.6	40.2

* 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	47.6	47.6	45.5	47	49.6	52	54	55.9	57.5	58.9	60.2	61.4	62.6	63.7
30	45.5	45.5	43.4	44.9	47.3	49.7	51.7	53.4	55	56.4	57.7	58.9	60.1	61.2
40	44.1	44.1	41.9	43.3	45.7	48	50	51.7	53.2	54.6	55.9	57.1	58.3	59.3
50	42.9	42.9	40.7	42.1	44.5	46.7	48.7	50.3	51.8	53.2	54.4	55.6	56.7	57.8
60	42	42	39.7	41.1	43.4	45.6	47.5	49.1	50.6	51.9	53.1	54.3	55.4	56.4
70	41.2	41.2	38.9	40.2	42.5	44.6	46.5	48	49.4	50.7	51.9	53	54.1	55.1
80	40.4	40.4	38.1	39.4	41.7	43.8	45.6	47.1	48.4	49.7	50.8	51.9	52.9	53.9
90	39.8	39.8	37.5	38.7	40.9	43	44.7	46.2	47.5	48.7	49.8	50.8	51.8	52.8
100	39.2	39.2	36.9	38.1	40.3	42.3	44	45.5	46.7	47.9	48.9	49.9	50.8	51.7
110	38.7	38.7	36.4	37.5	39.7	41.7	43.4	44.8	46	47.1	48.1	49	49.9	50.8
120	38.3	38.3	35.9	37.1	39.2	41.2	42.8	44.2	45.4	46.4	47.4	48.2	49.1	49.9
130	37.9	37.9	35.5	36.6	38.8	40.7	42.3	43.7	44.8	45.8	46.7	47.6	48.4	49.2
140	37.5	37.5	35.1	36.2	38.3	40.3	41.9	43.2	44.3	45.2	46.1	46.9	47.7	48.4
150	37.1	37.1	34.7	35.8	37.9	39.9	41.4	42.7	43.8	44.7	45.6	46.3	47.1	47.8
160	36.8	36.8	34.4	35.5	37.6	39.5	41	42.3	43.4	44.3	45.1	45.8	46.5	47.2
170	36.5	36.5	34.1	35.2	37.3	39.2	40.7	41.9	43	43.9	44.6	45.3	46	46.7
180	36.2	36.2	33.8	34.9	37	38.8	40.4	41.6	42.6	43.5	44.2	44.9	45.5	46.1
190	36	36	33.5	34.6	36.7	38.5	40.1	41.3	42.3	43.1	43.8	44.5	45.1	45.7
200	35.7	35.7	33.3	34.4	36.4	38.3	39.8	41	42	42.8	43.5	44.1	44.7	45.2
210	35.5	35.5	33	34.1	36.2	38	39.5	40.7	41.7	42.5	43.2	43.8	44.3	44.8
220	35.3	35.3	32.8	33.9	35.9	37.8	39.3	40.4	41.4	42.2	42.9	43.4	44	44.5
230	35	35	32.6	33.7	35.7	37.5	39	40.2	41.1	41.9	42.6	43.1	43.7	44.1
240	34.8	34.8	32.4	33.5	35.5	37.3	38.8	40	40.9	41.7	42.3	42.9	43.3	43.8
250	34.7	34.7	32.2	33.3	35.3	37.1	38.6	39.7	40.7	41.4	42.1	42.6	43.1	43.5
260	34.5	34.5	32	33.1	35.1	36.9	38.4	39.5	40.5	41.2	41.8	42.3	42.8	43.2
270	34.3	34.3	31.8	32.9	34.9	36.7	38.2	39.3	40.3	41	41.6	42.1	42.5	42.9
280	34.1	34.1	31.6	32.7	34.7	36.5	38	39.1	40.1	40.8	41.4	41.9	42.3	42.7
290	33.9	33.9	31.5	32.5	34.6	36.4	37.8	39	39.9	40.6	41.2	41.7	42.1	42.5
300	33.8	33.8	31.3	32.4	34.4	36.2	37.7	38.8	39.7	40.4	41	41.5	41.9	42.2

* 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	45.4	45.4	43.3	44.6	47	49.3	51.2	52.8	54.3	55.6	56.8	57.9	58.9	59.9
30	43.8	43.8	41.5	42.9	45.2	47.4	49.3	50.9	52.3	53.6	54.8	55.9	56.9	58
40	42.5	42.5	40.2	41.5	43.9	46	47.8	49.4	50.8	52.1	53.2	54.3	55.4	56.4
50	41.5	41.5	39.2	40.5	42.8	44.9	46.7	48.2	49.6	50.8	52	53	54.1	55
60	40.6	40.6	38.3	39.6	41.8	43.9	45.7	47.2	48.5	49.7	50.9	51.9	52.9	53.9
70	39.9	39.9	37.5	38.8	41	43.1	44.8	46.3	47.6	48.8	49.8	50.9	51.8	52.8
80	39.2	39.2	36.9	38.1	40.3	42.3	44	45.5	46.8	47.9	48.9	49.9	50.9	51.8
90	38.6	38.6	36.3	37.5	39.6	41.6	43.3	44.8	46	47.1	48.1	49	49.9	50.8
100	38.1	38.1	35.7	36.9	39.1	41	42.7	44.1	45.3	46.3	47.3	48.2	49.1	49.9
110	37.6	37.6	35.2	36.4	38.5	40.5	42.1	43.5	44.6	45.7	46.6	47.4	48.3	49.1
120	37.2	37.2	34.8	35.9	38.1	40	41.6	42.9	44	45	45.9	46.8	47.5	48.3
130	36.8	36.8	34.4	35.5	37.6	39.5	41.1	42.4	43.5	44.5	45.3	46.1	46.9	47.6
140	36.4	36.4	34	35.1	37.2	39.1	40.7	42	43	44	44.8	45.5	46.3	47
150	36.1	36.1	33.7	34.8	36.9	38.7	40.3	41.6	42.6	43.5	44.3	45	45.7	46.4
160	35.8	35.8	33.3	34.4	36.5	38.4	39.9	41.2	42.2	43.1	43.8	44.5	45.2	45.8
170	35.5	35.5	33	34.1	36.2	38.1	39.6	40.8	41.8	42.7	43.4	44.1	44.7	45.3
180	35.2	35.2	32.8	33.8	35.9	37.8	39.3	40.5	41.5	42.3	43	43.7	44.3	44.8
190	34.9	34.9	32.5	33.6	35.6	37.5	39	40.2	41.2	42	42.7	43.3	43.9	44.4
200	34.7	34.7	32.2	33.3	35.4	37.2	38.7	39.9	40.9	41.7	42.3	42.9	43.5	44
210	34.5	34.5	32	33.1	35.1	37	38.4	39.6	40.6	41.4	42	42.6	43.1	43.6
220	34.2	34.2	31.8	32.9	34.9	36.7	38.2	39.4	40.3	41.1	41.7	42.3	42.8	43.3
230	34	34	31.6	32.6	34.7	36.5	38	39.1	40.1	40.8	41.5	42	42.5	42.9
240	33.8	33.8	31.4	32.4	34.5	36.3	37.7	38.9	39.8	40.6	41.2	41.7	42.2	42.6
250	33.6	33.6	31.2	32.2	34.3	36.1	37.5	38.7	39.6	40.3	41	41.5	41.9	42.3
260	33.4	33.4	31	32	34.1	35.9	37.3	38.5	39.4	40.1	40.7	41.2	41.6	42
270	33.3	33.3	30.8	31.9	33.9	35.7	37.1	38.3	39.2	39.9	40.5	41	41.4	41.8
280	33.1	33.1	30.6	31.7	33.7	35.5	37	38.1	39	39.7	40.3	40.8	41.2	41.5
290	32.9	32.9	30.5	31.5	33.5	35.3	36.8	37.9	38.8	39.5	40.1	40.6	41	41.3
300	32.8	32.8	30.3	31.3	33.4	35.2	36.6	37.7	38.6	39.3	39.9	40.4	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	44	44	41.7	43.1	45.4	47.6	49.4	51	52.3	53.6	54.7	55.7	56.7	57.6
30	42.5	42.5	40.2	41.5	43.8	45.9	47.8	49.3	50.7	51.9	53	54	55	56
40	41.3	41.3	39	40.3	42.5	44.6	46.4	47.9	49.3	50.5	51.6	52.6	53.6	54.5
50	40.3	40.3	38	39.3	41.5	43.6	45.3	46.8	48.1	49.3	50.3	51.3	52.3	53.2
60	39.5	39.5	37.2	38.4	40.6	42.7	44.4	45.8	47.1	48.3	49.3	50.3	51.2	52.1
70	38.8	38.8	36.5	37.7	39.9	41.9	43.6	45	46.3	47.4	48.4	49.3	50.3	51.1
80	38.2	38.2	35.8	37	39.2	41.2	42.9	44.3	45.5	46.6	47.5	48.5	49.4	50.2
90	37.6	37.6	35.2	36.4	38.6	40.5	42.2	43.6	44.8	45.8	46.8	47.7	48.5	49.4
100	37.1	37.1	34.7	35.9	38	40	41.6	43	44.1	45.1	46.1	46.9	47.8	48.6
110	36.6	36.6	34.2	35.4	37.5	39.4	41.1	42.4	43.5	44.5	45.4	46.2	47	47.8
120	36.2	36.2	33.8	34.9	37	39	40.6	41.9	43	43.9	44.8	45.6	46.3	47.1
130	35.8	35.8	33.4	34.5	36.6	38.5	40.1	41.4	42.5	43.4	44.2	45	45.7	46.4
140	35.5	35.5	33	34.1	36.2	38.1	39.7	41	42	42.9	43.7	44.4	45.1	45.8
150	35.1	35.1	32.7	33.8	35.9	37.8	39.3	40.5	41.6	42.5	43.2	43.9	44.6	45.2
160	34.8	34.8	32.4	33.5	35.5	37.4	38.9	40.2	41.2	42	42.8	43.5	44.1	44.7
170	34.5	34.5	32.1	33.2	35.2	37.1	38.6	39.8	40.8	41.7	42.4	43	43.7	44.2
180	34.2	34.2	31.8	32.9	34.9	36.8	38.3	39.5	40.5	41.3	42	42.7	43.2	43.8
190	34	34	31.5	32.6	34.7	36.5	38	39.2	40.2	41	41.7	42.3	42.8	43.4
200	33.7	33.7	31.3	32.4	34.4	36.2	37.7	38.9	39.9	40.7	41.4	41.9	42.5	43
210	33.5	33.5	31	32.1	34.2	36	37.5	38.7	39.6	40.4	41	41.6	42.1	42.6
220	33.3	33.3	30.8	31.9	33.9	35.8	37.2	38.4	39.3	40.1	40.8	41.3	41.8	42.3
230	33.1	33.1	30.6	31.7	33.7	35.5	37	38.2	39.1	39.9	40.5	41	41.5	41.9
240	32.9	32.9	30.4	31.5	33.5	35.3	36.8	37.9	38.9	39.6	40.2	40.7	41.2	41.6
250	32.7	32.7	30.2	31.3	33.3	35.1	36.6	37.7	38.6	39.4	40	40.5	40.9	41.3
260	32.5	32.5	30	31.1	33.1	34.9	36.4	37.5	38.4	39.2	39.7	40.2	40.7	41.1
270	32.3	32.3	29.8	30.9	32.9	34.7	36.2	37.3	38.2	38.9	39.5	40	40.4	40.8
280	32.1	32.1	29.6	30.7	32.7	34.5	36	37.1	38	38.7	39.3	39.8	40.2	40.6
290	32	32	29.5	30.5	32.6	34.4	35.8	36.9	37.8	38.5	39.1	39.6	40	40.3
300	31.8	31.8	29.3	30.4	32.4	34.2	35.6	36.8	37.7	38.4	38.9	39.4	39.8	40.1

* 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	42.7	42.7	40.4	41.7	44	46.1	47.9	49.4	50.8	51.9	53	54	54.9	55.7
30	41.4	41.4	39.1	40.3	42.6	44.7	46.4	47.9	49.2	50.4	51.4	52.4	53.3	54.2
40	40.2	40.2	37.9	39.1	41.4	43.4	45.2	46.6	47.9	49	50.1	51	51.9	52.8
50	39.3	39.3	36.9	38.2	40.4	42.4	44.1	45.6	46.8	47.9	48.9	49.9	50.8	51.6
60	38.5	38.5	36.2	37.4	39.5	41.6	43.2	44.7	45.9	47	47.9	48.9	49.7	50.6
70	37.8	37.8	35.5	36.6	38.8	40.8	42.5	43.9	45.1	46.1	47.1	48	48.9	49.7
80	37.2	37.2	34.8	36	38.2	40.1	41.8	43.2	44.3	45.4	46.3	47.2	48	48.8
90	36.7	36.7	34.3	35.4	37.6	39.5	41.2	42.5	43.7	44.7	45.6	46.5	47.3	48.1
100	36.2	36.2	33.8	34.9	37.1	39	40.6	41.9	43.1	44.1	44.9	45.8	46.5	47.3
110	35.7	35.7	33.3	34.5	36.6	38.5	40.1	41.4	42.5	43.5	44.3	45.1	45.9	46.6
120	35.3	35.3	32.9	34	36.1	38	39.6	40.9	42	42.9	43.8	44.5	45.2	46
130	34.9	34.9	32.5	33.6	35.7	37.6	39.2	40.4	41.5	42.4	43.2	44	44.7	45.3
140	34.6	34.6	32.1	33.2	35.3	37.2	38.8	40	41.1	41.9	42.7	43.4	44.1	44.8
150	34.2	34.2	31.8	32.9	35	36.8	38.4	39.6	40.6	41.5	42.3	43	43.6	44.2
160	33.9	33.9	31.5	32.6	34.6	36.5	38	39.3	40.3	41.1	41.9	42.5	43.1	43.7
170	33.6	33.6	31.2	32.3	34.3	36.2	37.7	38.9	39.9	40.7	41.5	42.1	42.7	43.3
180	33.3	33.3	30.9	32	34	35.9	37.4	38.6	39.6	40.4	41.1	41.7	42.3	42.8
190	33.1	33.1	30.6	31.7	33.8	35.6	37.1	38.3	39.3	40.1	40.8	41.4	41.9	42.4
200	32.8	32.8	30.4	31.5	33.5	35.3	36.8	38	39	39.8	40.4	41	41.6	42.1
210	32.6	32.6	30.1	31.2	33.3	35.1	36.6	37.8	38.7	39.5	40.1	40.7	41.2	41.7
220	32.4	32.4	29.9	31	33	34.9	36.3	37.5	38.4	39.2	39.9	40.4	40.9	41.4
230	32.2	32.2	29.7	30.8	32.8	34.6	36.1	37.3	38.2	39	39.6	40.1	40.6	41
240	32	32	29.5	30.6	32.6	34.4	35.9	37	38	38.7	39.3	39.9	40.3	40.7
250	31.8	31.8	29.3	30.4	32.4	34.2	35.7	36.8	37.7	38.5	39.1	39.6	40.1	40.5
260	31.6	31.6	29.1	30.2	32.2	34	35.5	36.6	37.5	38.3	38.9	39.4	39.8	40.2
270	31.4	31.4	28.9	30	32	33.8	35.3	36.4	37.3	38	38.6	39.1	39.6	39.9
280	31.2	31.2	28.7	29.8	31.8	33.6	35.1	36.2	37.1	37.8	38.4	38.9	39.3	39.7
290	31	31	28.6	29.6	31.6	33.5	34.9	36	36.9	37.7	38.2	38.7	39.1	39.4
300	30.9	30.9	28.4	29.5	31.5	33.3	34.7	35.9	36.8	37.5	38	38.5	38.9	39.2

* 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	41.5	41.5	39.2	40.5	42.8	44.9	46.6	48.1	49.4	50.5	51.5	52.5	53.4	54.2
30	40.4	40.4	38.1	39.3	41.5	43.6	45.3	46.8	48	49.1	50.1	51.1	52	52.8
40	39.3	39.3	37	38.2	40.4	42.5	44.2	45.6	46.9	48	49	49.9	50.8	51.6
50	38.4	38.4	36	37.2	39.4	41.5	43.1	44.6	45.8	46.9	47.8	48.7	49.6	50.4
60	37.6	37.6	35.3	36.5	38.6	40.6	42.3	43.7	44.9	45.9	46.9	47.8	48.6	49.4
70	37	37	34.6	35.8	37.9	39.9	41.5	42.9	44.1	45.1	46	46.9	47.7	48.5
80	36.4	36.4	34	35.1	37.3	39.2	40.9	42.2	43.4	44.4	45.3	46.1	46.9	47.7
90	35.8	35.8	33.4	34.6	36.7	38.6	40.3	41.6	42.7	43.7	44.6	45.4	46.2	46.9
100	35.3	35.3	32.9	34.1	36.2	38.1	39.7	41	42.1	43.1	43.9	44.7	45.5	46.2
110	34.9	34.9	32.5	33.6	35.7	37.6	39.2	40.5	41.6	42.5	43.3	44.1	44.8	45.5
120	34.5	34.5	32	33.2	35.3	37.2	38.7	40	41.1	42	42.8	43.5	44.2	44.9
130	34.1	34.1	31.6	32.8	34.8	36.7	38.3	39.6	40.6	41.5	42.3	43	43.7	44.3
140	33.7	33.7	31.3	32.4	34.5	36.3	37.9	39.1	40.2	41	41.8	42.5	43.1	43.8
150	33.4	33.4	30.9	32	34.1	36	37.5	38.7	39.8	40.6	41.4	42	42.6	43.2
160	33.1	33.1	30.6	31.7	33.8	35.7	37.2	38.4	39.4	40.2	41	41.6	42.2	42.8
170	32.8	32.8	30.3	31.4	33.5	35.3	36.8	38.1	39	39.9	40.6	41.2	41.8	42.3
180	32.5	32.5	30.1	31.1	33.2	35	36.5	37.7	38.7	39.5	40.2	40.8	41.4	41.9
190	32.2	32.2	29.8	30.9	32.9	34.8	36.3	37.5	38.4	39.2	39.9	40.5	41	41.5
200	32	32	29.5	30.6	32.7	34.5	36	37.2	38.1	38.9	39.6	40.2	40.7	41.2
210	31.8	31.8	29.3	30.4	32.4	34.3	35.7	36.9	37.9	38.6	39.3	39.9	40.4	40.8
220	31.5	31.5	29.1	30.1	32.2	34	35.5	36.7	37.6	38.4	39	39.6	40.1	40.5
230	31.3	31.3	28.9	29.9	32	33.8	35.3	36.4	37.4	38.1	38.7	39.3	39.8	40.2
240	31.1	31.1	28.7	29.7	31.7	33.6	35	36.2	37.1	37.9	38.5	39	39.5	39.9
250	30.9	30.9	28.5	29.5	31.5	33.4	34.8	36	36.9	37.6	38.3	38.8	39.2	39.6
260	30.7	30.7	28.3	29.3	31.4	33.2	34.6	35.8	36.7	37.4	38	38.5	39	39.4
270	30.6	30.6	28.1	29.1	31.2	33	34.4	35.6	36.5	37.2	37.8	38.3	38.7	39.1
280	30.4	30.4	27.9	29	31	32.8	34.2	35.4	36.3	37	37.6	38.1	38.5	38.9
290	30.2	30.2	27.7	28.8	30.8	32.6	34.1	35.2	36.1	36.8	37.4	37.9	38.3	38.6
300	30	30	27.6	28.6	30.6	32.4	33.9	35	35.9	36.6	37.2	37.7	38.1	38.4

* 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	40.5	40.5	38.2	39.5	41.7	43.8	45.6	47.1	48.3	49.5	50.5	51.4	52.3	53.1
30	39.6	39.6	37.2	38.5	40.7	42.7	44.4	45.9	47.1	48.2	49.2	50.1	51	51.8
40	38.5	38.5	36.1	37.4	39.6	41.6	43.3	44.7	46	47	48	48.9	49.8	50.6
50	37.6	37.6	35.3	36.5	38.7	40.7	42.4	43.8	45	46	47	47.9	48.7	49.6
60	36.9	36.9	34.5	35.7	37.9	39.8	41.5	42.9	44.1	45.1	46.1	46.9	47.8	48.6
70	36.2	36.2	33.8	35	37.1	39.1	40.8	42.1	43.3	44.3	45.2	46.1	46.9	47.7
80	35.6	35.6	33.2	34.4	36.5	38.5	40.1	41.5	42.6	43.6	44.5	45.3	46.1	46.9
90	35.1	35.1	32.7	33.8	36	37.9	39.5	40.8	42	43	43.8	44.6	45.4	46.2
100	34.6	34.6	32.2	33.3	35.4	37.4	39	40.3	41.4	42.4	43.2	44	44.8	45.5
110	34.1	34.1	31.7	32.8	35	36.9	38.5	39.8	40.9	41.8	42.6	43.4	44.1	44.8
120	33.7	33.7	31.3	32.4	34.5	36.4	38	39.3	40.4	41.3	42.1	42.8	43.5	44.2
130	33.3	33.3	30.9	32	34.1	36	37.6	38.8	39.9	40.8	41.6	42.3	43	43.7
140	33	33	30.5	31.6	33.7	35.6	37.2	38.4	39.5	40.4	41.1	41.8	42.5	43.1
150	32.6	32.6	30.2	31.3	33.4	35.3	36.8	38	39.1	39.9	40.7	41.4	42	42.6
160	32.3	32.3	29.9	31	33.1	34.9	36.5	37.7	38.7	39.6	40.3	41	41.6	42.2
170	32	32	29.6	30.7	32.7	34.6	36.1	37.4	38.4	39.2	39.9	40.6	41.2	41.8
180	31.8	31.8	29.3	30.4	32.5	34.3	35.8	37	38	38.9	39.6	40.2	40.8	41.4
190	31.5	31.5	29	30.1	32.2	34	35.5	36.8	37.7	38.6	39.3	39.9	40.4	41
200	31.2	31.2	28.8	29.9	31.9	33.8	35.3	36.5	37.4	38.3	38.9	39.6	40.1	40.6
210	31	31	28.6	29.6	31.7	33.5	35	36.2	37.2	38	38.7	39.2	39.8	40.3
220	30.8	30.8	28.3	29.4	31.4	33.3	34.8	36	36.9	37.7	38.4	39	39.5	40
230	30.6	30.6	28.1	29.2	31.2	33.1	34.5	35.7	36.7	37.5	38.1	38.7	39.2	39.7
240	30.4	30.4	27.9	29	31	32.8	34.3	35.5	36.4	37.2	37.9	38.4	38.9	39.4
250	30.2	30.2	27.7	28.8	30.8	32.6	34.1	35.3	36.2	37	37.6	38.2	38.6	39.1
260	30	30	27.5	28.6	30.6	32.4	33.9	35.1	36	36.8	37.4	37.9	38.4	38.8
270	29.8	29.8	27.3	28.4	30.4	32.2	33.7	34.9	35.8	36.5	37.2	37.7	38.1	38.6
280	29.6	29.6	27.1	28.2	30.2	32.1	33.5	34.7	35.6	36.3	36.9	37.5	37.9	38.3
290	29.4	29.4	27	28	30.1	31.9	33.3	34.5	35.4	36.1	36.7	37.2	37.7	38.1
300	29.3	29.3	26.8	27.9	29.9	31.7	33.2	34.3	35.2	35.9	36.5	37	37.5	37.8

* 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	39.5	39.5	37.2	38.4	40.7	42.7	44.5	45.9	47.2	48.3	49.3	50.2	51	51.8
30	38.7	38.7	36.4	37.6	39.8	41.8	43.5	44.9	46.1	47.2	48.1	49	49.8	50.6
40	37.7	37.7	35.4	36.6	38.8	40.8	42.4	43.8	45	46.1	47	47.9	48.7	49.5
50	36.9	36.9	34.5	35.7	37.8	39.8	41.5	42.9	44	45.1	46	46.8	47.6	48.4
60	36.1	36.1	33.7	34.9	37	39	40.7	42	43.2	44.2	45.1	45.9	46.7	47.5
70	35.4	35.4	33.1	34.2	36.3	38.3	39.9	41.3	42.4	43.4	44.3	45.1	45.9	46.6
80	34.9	34.9	32.5	33.6	35.7	37.7	39.3	40.6	41.7	42.7	43.6	44.4	45.1	45.8
90	34.3	34.3	31.9	33.1	35.2	37.1	38.7	40	41.1	42.1	42.9	43.7	44.4	45.1
100	33.8	33.8	31.4	32.6	34.7	36.6	38.2	39.5	40.5	41.5	42.3	43.1	43.8	44.5
110	33.4	33.4	31	32.1	34.2	36.1	37.7	39	40	40.9	41.7	42.5	43.2	43.8
120	33	33	30.6	31.7	33.8	35.7	37.2	38.5	39.5	40.4	41.2	41.9	42.6	43.2
130	32.6	32.6	30.2	31.3	33.4	35.3	36.8	38	39.1	40	40.7	41.4	42.1	42.7
140	32.2	32.2	29.8	30.9	33	34.9	36.4	37.6	38.7	39.5	40.3	41	41.6	42.2
150	31.9	31.9	29.5	30.6	32.6	34.5	36	37.3	38.3	39.1	39.9	40.5	41.1	41.7
160	31.6	31.6	29.2	30.2	32.3	34.2	35.7	36.9	37.9	38.7	39.5	40.1	40.7	41.2
170	31.3	31.3	28.9	30	32	33.9	35.4	36.6	37.6	38.4	39.1	39.7	40.3	40.8
180	31	31	28.6	29.7	31.7	33.6	35.1	36.3	37.3	38.1	38.8	39.4	39.9	40.5
190	30.8	30.8	28.3	29.4	31.5	33.3	34.8	36	37	37.8	38.5	39.1	39.6	40.1
200	30.5	30.5	28.1	29.2	31.2	33	34.5	35.7	36.7	37.5	38.2	38.7	39.3	39.8
210	30.3	30.3	27.8	28.9	31	32.8	34.3	35.5	36.4	37.2	37.9	38.4	39	39.4
220	30.1	30.1	27.6	28.7	30.7	32.6	34	35.2	36.2	36.9	37.6	38.2	38.7	39.1
230	29.8	29.8	27.4	28.5	30.5	32.3	33.8	35	35.9	36.7	37.3	37.9	38.4	38.9
240	29.6	29.6	27.2	28.2	30.3	32.1	33.6	34.8	35.7	36.5	37.1	37.6	38.1	38.6
250	29.4	29.4	27	28	30.1	31.9	33.4	34.5	35.5	36.2	36.9	37.4	37.9	38.3
260	29.3	29.3	26.8	27.9	29.9	31.7	33.2	34.3	35.3	36	36.6	37.2	37.6	38.1
270	29.1	29.1	26.6	27.7	29.7	31.5	33	34.1	35.1	35.8	36.4	36.9	37.4	37.8
280	28.9	28.9	26.4	27.5	29.5	31.3	32.8	33.9	34.9	35.6	36.2	36.7	37.2	37.6
290	28.7	28.7	26.2	27.3	29.3	31.2	32.6	33.8	34.7	35.4	36	36.5	36.9	37.3
300	28.6	28.6	26.1	27.1	29.2	31	32.4	33.6	34.5	35.2	35.8	36.3	36.7	37.1

* 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	38.6	38.6	36.3	37.5	39.8	41.8	43.5	45	46.2	47.3	48.2	49.1	49.9	50.7
30	38	38	35.7	36.9	39.1	41.1	42.7	44.1	45.3	46.4	47.3	48.1	48.9	49.7
40	37.1	37.1	34.7	35.9	38.1	40.1	41.7	43.1	44.3	45.3	46.2	47.1	47.9	48.6
50	36.2	36.2	33.9	35	37.2	39.2	40.9	42.2	43.4	44.4	45.3	46.2	47	47.7
60	35.5	35.5	33.1	34.3	36.4	38.4	40	41.4	42.5	43.5	44.4	45.2	46	46.7
70	34.8	34.8	32.4	33.6	35.7	37.6	39.2	40.6	41.7	42.7	43.5	44.3	45.1	45.8
80	34.2	34.2	31.8	32.9	35.1	37	38.6	39.9	41	42	42.8	43.6	44.3	45
90	33.7	33.7	31.3	32.4	34.5	36.4	38	39.3	40.4	41.3	42.2	42.9	43.6	44.3
100	33.2	33.2	30.8	31.9	34	35.9	37.5	38.8	39.9	40.8	41.6	42.3	43	43.7
110	32.8	32.8	30.3	31.5	33.5	35.5	37	38.3	39.3	40.3	41.1	41.8	42.5	43.1
120	32.3	32.3	29.9	31	33.1	35	36.6	37.8	38.9	39.8	40.6	41.3	41.9	42.6
130	32	32	29.5	30.6	32.7	34.6	36.2	37.4	38.4	39.3	40.1	40.8	41.4	42
140	31.6	31.6	29.2	30.3	32.3	34.2	35.8	37	38	38.9	39.6	40.3	40.9	41.5
150	31.3	31.3	28.8	29.9	32	33.9	35.4	36.6	37.6	38.5	39.2	39.9	40.5	41.1
160	31	31	28.5	29.6	31.7	33.5	35.1	36.3	37.3	38.1	38.8	39.5	40.1	40.6
170	30.7	30.7	28.2	29.3	31.4	33.2	34.7	36	37	37.8	38.5	39.1	39.7	40.2
180	30.4	30.4	27.9	29	31.1	32.9	34.5	35.7	36.6	37.5	38.2	38.8	39.3	39.9
190	30.1	30.1	27.7	28.8	30.8	32.7	34.2	35.4	36.3	37.2	37.8	38.4	39	39.5
200	29.9	29.9	27.4	28.5	30.6	32.4	33.9	35.1	36.1	36.9	37.5	38.1	38.7	39.2
210	29.6	29.6	27.2	28.3	30.3	32.2	33.7	34.8	35.8	36.6	37.3	37.9	38.4	38.9
220	29.4	29.4	27	28	30.1	31.9	33.4	34.6	35.6	36.3	37	37.6	38.1	38.6
230	29.2	29.2	26.7	27.8	29.9	31.7	33.2	34.4	35.3	36.1	36.8	37.3	37.8	38.3
240	29	29	26.5	27.6	29.6	31.5	33	34.1	35.1	35.9	36.5	37.1	37.6	38
250	28.8	28.8	26.3	27.4	29.4	31.3	32.8	33.9	34.9	35.6	36.3	36.8	37.3	37.8
260	28.6	28.6	26.1	27.2	29.2	31.1	32.5	33.7	34.7	35.4	36.1	36.6	37.1	37.5
270	28.4	28.4	26	27	29.1	30.9	32.4	33.5	34.5	35.2	35.8	36.4	36.9	37.3
280	28.2	28.2	25.8	26.8	28.9	30.7	32.2	33.3	34.3	35	35.6	36.2	36.6	37.1
290	28.1	28.1	25.6	26.7	28.7	30.5	32	33.1	34.1	34.8	35.4	36	36.4	36.8
300	27.9	27.9	25.4	26.5	28.5	30.3	31.8	33	33.9	34.6	35.2	35.7	36.2	36.6

* 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	38	38	35.7	37	39.2	41.3	43	44.5	45.8	46.9	47.9	48.8	49.6	50.4
30	37.4	37.4	35.1	36.3	38.5	40.5	42.2	43.6	44.8	45.8	46.7	47.6	48.4	49.1
40	36.5	36.5	34.1	35.3	37.5	39.5	41.1	42.5	43.7	44.7	45.6	46.5	47.2	48
50	35.6	35.6	33.3	34.5	36.6	38.6	40.3	41.6	42.8	43.8	44.7	45.6	46.3	47.1
60	34.9	34.9	32.5	33.7	35.9	37.9	39.5	40.9	42	43	43.9	44.8	45.5	46.3
70	34.3	34.3	31.9	33	35.2	37.1	38.8	40.1	41.3	42.3	43.2	44	44.7	45.5
80	33.7	33.7	31.3	32.4	34.6	36.5	38.1	39.5	40.6	41.6	42.4	43.2	44	44.7
90	33.1	33.1	30.7	31.9	34	35.9	37.5	38.9	40	41	41.8	42.6	43.3	44
100	32.6	32.6	30.2	31.4	33.5	35.4	37	38.3	39.4	40.4	41.2	42	42.7	43.4
110	32.2	32.2	29.8	30.9	33	35	36.5	37.8	38.9	39.8	40.7	41.4	42.1	42.8
120	31.8	31.8	29.4	30.5	32.6	34.5	36.1	37.4	38.4	39.4	40.2	40.9	41.6	42.2
130	31.4	31.4	29	30.1	32.2	34.1	35.7	36.9	38	38.9	39.7	40.4	41.1	41.7
140	31	31	28.6	29.7	31.8	33.7	35.3	36.5	37.6	38.5	39.2	39.9	40.6	41.2
150	30.7	30.7	28.3	29.4	31.5	33.3	34.9	36.1	37.2	38	38.8	39.5	40.1	40.7
160	30.4	30.4	28	29.1	31.1	33	34.5	35.8	36.8	37.7	38.4	39.1	39.7	40.3
170	30.1	30.1	27.7	28.8	30.8	32.7	34.2	35.5	36.5	37.3	38.1	38.7	39.3	39.9
180	29.8	29.8	27.4	28.5	30.5	32.4	33.9	35.2	36.2	37	37.7	38.4	39	39.5
190	29.6	29.6	27.1	28.2	30.3	32.1	33.6	34.9	35.9	36.7	37.4	38	38.6	39.2
200	29.3	29.3	26.9	27.9	30	31.9	33.4	34.6	35.6	36.4	37.1	37.7	38.3	38.8
210	29.1	29.1	26.6	27.7	29.8	31.6	33.1	34.3	35.3	36.1	36.8	37.4	38	38.5
220	28.8	28.8	26.4	27.5	29.5	31.4	32.9	34.1	35.1	35.9	36.6	37.2	37.7	38.2
230	28.6	28.6	26.2	27.2	29.3	31.1	32.6	33.8	34.8	35.6	36.3	36.9	37.4	38
240	28.4	28.4	26	27	29.1	30.9	32.4	33.6	34.6	35.4	36.1	36.7	37.2	37.7
250	28.2	28.2	25.8	26.8	28.9	30.7	32.2	33.4	34.4	35.2	35.8	36.4	36.9	37.4
260	28	28	25.6	26.6	28.7	30.5	32	33.2	34.2	34.9	35.6	36.2	36.7	37.2
270	27.8	27.8	25.4	26.4	28.5	30.3	31.8	33	33.9	34.7	35.4	36	36.5	36.9
280	27.6	27.6	25.2	26.3	28.3	30.1	31.6	32.8	33.7	34.5	35.2	35.7	36.2	36.7
290	27.5	27.5	25	26.1	28.1	29.9	31.4	32.6	33.5	34.3	35	35.5	36	36.5
300	27.3	27.3	24.8	25.9	27.9	29.8	31.2	32.4	33.4	34.1	34.8	35.3	35.8	36.3

* 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	67	67	63.8	62.5	62.5	63.1	64.1	65.1	66.2	67.2	68.2	69.1	70	70.9
30	65.4	65.4	62.1	60.7	60.6	61.2	62	63	64	64.9	65.8	66.6	67.4	68.2
40	64.6	64.6	61.3	60	59.9	60.5	61.4	62.4	63.4	64.4	65.3	66.2	67	67.8
50	64	64	60.7	59.4	59.4	60.1	61	62	63.1	64.1	65	65.9	66.8	67.6
60	63.4	63.4	60.1	58.9	58.9	59.6	60.6	61.6	62.7	63.7	64.7	65.6	66.5	67.3
70	62.8	62.8	59.6	58.4	58.4	59.1	60.1	61.2	62.3	63.3	64.3	65.2	66.1	66.9
80	62.3	62.3	59.1	57.9	58	58.7	59.7	60.8	61.8	62.9	63.9	64.8	65.7	66.5
90	61.8	61.8	58.7	57.5	57.5	58.2	59.2	60.3	61.4	62.5	63.5	64.4	65.3	66.1
100	61.4	61.4	58.2	57	57.1	57.8	58.8	59.9	61	62.1	63	64	64.9	65.8
110	61	61	57.8	56.6	56.7	57.4	58.4	59.5	60.6	61.7	62.7	63.6	64.5	65.4
120	60.6	60.6	57.5	56.3	56.3	57	58	59.1	60.2	61.3	62.3	63.2	64.1	65
130	60.3	60.3	57.1	55.9	56	56.7	57.7	58.8	59.9	60.9	61.9	62.9	63.8	64.6
140	59.9	59.9	56.8	55.6	55.6	56.3	57.4	58.5	59.5	60.6	61.6	62.5	63.4	64.3
150	59.6	59.6	56.4	55.3	55.3	56	57	58.1	59.2	60.3	61.3	62.2	63.1	64
160	59.3	59.3	56.1	55	55	55.7	56.7	57.8	58.9	60	61	61.9	62.8	63.7
170	59	59	55.9	54.7	54.7	55.4	56.4	57.5	58.6	59.7	60.7	61.6	62.5	63.4
180	58.8	58.8	55.6	54.4	54.4	55.1	56.2	57.2	58.3	59.4	60.4	61.3	62.2	63.1
190	58.5	58.5	55.3	54.1	54.2	54.9	55.9	57	58.1	59.1	60.1	61.1	61.9	62.8
200	58.3	58.3	55.1	53.9	53.9	54.6	55.6	56.7	57.8	58.8	59.8	60.8	61.7	62.5
210	58	58	54.8	53.6	53.7	54.4	55.4	56.5	57.5	58.6	59.6	60.5	61.4	62.3
220	57.8	57.8	54.6	53.4	53.4	54.1	55.1	56.2	57.3	58.3	59.3	60.3	61.2	62
230	57.6	57.6	54.4	53.2	53.2	53.9	54.9	56	57.1	58.1	59.1	60	60.9	61.8
240	57.4	57.4	54.2	53	53	53.7	54.7	55.8	56.8	57.9	58.9	59.8	60.7	61.6
250	57.1	57.1	54	52.7	52.8	53.5	54.5	55.5	56.6	57.7	58.6	59.6	60.5	61.3
260	56.9	56.9	53.8	52.5	52.6	53.3	54.2	55.3	56.4	57.4	58.4	59.4	60.3	61.1
270	56.8	56.8	53.6	52.3	52.3	53	54	55.1	56.2	57.2	58.2	59.2	60	60.9
280	56.6	56.6	53.4	52.1	52.2	52.9	53.8	54.9	56	57	58	58.9	59.8	60.7
290	56.4	56.4	53.2	52	52	52.7	53.6	54.7	55.8	56.8	57.8	58.7	59.6	60.5
300	56.2	56.2	53	51.8	51.8	52.5	53.5	54.5	55.6	56.6	57.6	58.6	59.4	60.3

* 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	65	65	61.7	60.3	60.1	60.6	61.5	62.4	63.4	64.3	65.2	66.1	66.9	67.7
30	63.6	63.6	60.2	58.7	58.4	58.9	59.6	60.5	61.4	62.2	63	63.8	64.6	65.3
40	62.8	62.8	59.3	57.9	57.6	58.1	58.9	59.7	60.6	61.5	62.3	63.1	63.8	64.6
50	62.1	62.1	58.7	57.3	57.1	57.6	58.4	59.3	60.2	61.1	62	62.8	63.5	64.3
60	61.5	61.5	58.1	56.7	56.6	57.1	58	58.9	59.8	60.7	61.6	62.4	63.2	64
70	61	61	57.6	56.2	56.1	56.7	57.5	58.5	59.4	60.4	61.3	62.1	62.9	63.7
80	60.5	60.5	57.1	55.8	55.7	56.2	57.1	58.1	59	60	60.9	61.7	62.6	63.3
90	60	60	56.7	55.3	55.2	55.8	56.7	57.7	58.6	59.6	60.5	61.4	62.2	63
100	59.6	59.6	56.3	54.9	54.8	55.4	56.3	57.3	58.3	59.2	60.1	61	61.8	62.6
110	59.2	59.2	55.9	54.5	54.4	55	55.9	56.9	57.9	58.8	59.8	60.6	61.5	62.3
120	58.8	58.8	55.5	54.2	54.1	54.7	55.6	56.5	57.5	58.5	59.4	60.3	61.1	61.9
130	58.5	58.5	55.2	53.8	53.7	54.3	55.2	56.2	57.2	58.2	59.1	59.9	60.8	61.6
140	58.1	58.1	54.8	53.5	53.4	54	54.9	55.9	56.9	57.8	58.7	59.6	60.4	61.2
150	57.8	57.8	54.5	53.2	53.1	53.7	54.6	55.6	56.5	57.5	58.4	59.3	60.1	60.9
160	57.5	57.5	54.2	52.9	52.8	53.4	54.3	55.3	56.2	57.2	58.1	59	59.8	60.6
170	57.3	57.3	53.9	52.6	52.5	53.1	54	55	56	56.9	57.8	58.7	59.5	60.3
180	57	57	53.7	52.3	52.2	52.8	53.7	54.7	55.7	56.6	57.6	58.4	59.3	60.1
190	56.7	56.7	53.4	52.1	52	52.6	53.5	54.4	55.4	56.4	57.3	58.2	59	59.8
200	56.5	56.5	53.2	51.8	51.7	52.3	53.2	54.2	55.2	56.1	57	57.9	58.7	59.5
210	56.3	56.3	52.9	51.6	51.5	52.1	52.9	53.9	54.9	55.9	56.8	57.6	58.5	59.3
220	56	56	52.7	51.4	51.3	51.8	52.7	53.7	54.7	55.6	56.5	57.4	58.2	59
230	55.8	55.8	52.5	51.1	51	51.6	52.5	53.5	54.4	55.4	56.3	57.2	58	58.8
240	55.6	55.6	52.3	50.9	50.8	51.4	52.3	53.2	54.2	55.2	56.1	56.9	57.8	58.5
250	55.4	55.4	52.1	50.7	50.6	51.2	52.1	53	54	54.9	55.8	56.7	57.5	58.3
260	55.2	55.2	51.9	50.5	50.4	51	51.8	52.8	53.8	54.7	55.6	56.5	57.3	58.1
270	55	55	51.7	50.3	50.2	50.8	51.6	52.6	53.6	54.5	55.4	56.3	57.1	57.9
280	54.9	54.9	51.5	50.1	50	50.6	51.4	52.4	53.4	54.3	55.2	56.1	56.9	57.7
290	54.7	54.7	51.3	50	49.8	50.4	51.3	52.2	53.2	54.1	55	55.9	56.7	57.5
300	54.5	54.5	51.2	49.8	49.7	50.2	51.1	52	53	53.9	54.8	55.7	56.5	57.3

* 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	63.6	63.6	60.1	58.7	58.5	58.9	59.7	60.6	61.5	62.4	63.3	64.1	64.9	65.6
30	62.3	62.3	58.8	57.2	57	57.4	58.1	58.9	59.8	60.6	61.4	62.2	62.9	63.7
40	61.4	61.4	57.9	56.3	56	56.4	57.1	57.9	58.8	59.6	60.3	61.1	61.8	62.5
50	60.7	60.7	57.2	55.7	55.4	55.8	56.5	57.3	58.1	58.9	59.7	60.4	61.2	61.8
60	60.1	60.1	56.6	55.1	54.8	55.3	56	56.9	57.7	58.5	59.3	60.1	60.8	61.5
70	59.5	59.5	56.1	54.6	54.4	54.8	55.6	56.5	57.3	58.2	59	59.7	60.5	61.2
80	59	59	55.6	54.2	53.9	54.4	55.2	56.1	57	57.8	58.6	59.4	60.2	60.9
90	58.6	58.6	55.2	53.7	53.5	54	54.8	55.7	56.6	57.5	58.3	59.1	59.9	60.6
100	58.2	58.2	54.8	53.3	53.1	53.6	54.4	55.3	56.2	57.1	58	58.8	59.6	60.3
110	57.8	57.8	54.4	53	52.8	53.3	54.1	55	55.9	56.8	57.6	58.5	59.2	60
120	57.4	57.4	54	52.6	52.4	52.9	53.7	54.7	55.6	56.5	57.3	58.1	58.9	59.7
130	57.1	57.1	53.7	52.3	52.1	52.6	53.4	54.3	55.3	56.1	57	57.8	58.6	59.4
140	56.8	56.8	53.4	52	51.8	52.3	53.1	54	54.9	55.8	56.7	57.5	58.3	59.1
150	56.5	56.5	53.1	51.7	51.5	52	52.8	53.7	54.6	55.5	56.4	57.2	58	58.8
160	56.2	56.2	52.8	51.4	51.2	51.7	52.5	53.4	54.4	55.2	56.1	56.9	57.7	58.5
170	55.9	55.9	52.5	51.1	50.9	51.4	52.2	53.2	54.1	55	55.8	56.7	57.4	58.2
180	55.7	55.7	52.3	50.8	50.7	51.2	52	52.9	53.8	54.7	55.6	56.4	57.2	57.9
190	55.4	55.4	52	50.6	50.4	50.9	51.7	52.6	53.6	54.4	55.3	56.1	56.9	57.7
200	55.2	55.2	51.8	50.3	50.2	50.7	51.5	52.4	53.3	54.2	55.1	55.9	56.7	57.4
210	54.9	54.9	51.5	50.1	49.9	50.4	51.2	52.1	53.1	54	54.8	55.6	56.4	57.2
220	54.7	54.7	51.3	49.9	49.7	50.2	51	51.9	52.8	53.7	54.6	55.4	56.2	56.9
230	54.5	54.5	51.1	49.7	49.5	50	50.8	51.7	52.6	53.5	54.3	55.2	55.9	56.7
240	54.3	54.3	50.9	49.5	49.3	49.8	50.6	51.5	52.4	53.3	54.1	54.9	55.7	56.5
250	54.1	54.1	50.7	49.3	49.1	49.6	50.4	51.3	52.2	53	53.9	54.7	55.5	56.2
260	53.9	53.9	50.5	49.1	48.9	49.4	50.2	51.1	52	52.8	53.7	54.5	55.3	56
270	53.7	53.7	50.3	48.9	48.7	49.2	50	50.9	51.8	52.6	53.5	54.3	55.1	55.8
280	53.6	53.6	50.1	48.7	48.5	49	49.8	50.7	51.6	52.4	53.3	54.1	54.9	55.6
290	53.4	53.4	50	48.5	48.3	48.8	49.6	50.5	51.4	52.2	53.1	53.9	54.7	55.4
300	53.2	53.2	49.8	48.3	48.1	48.6	49.4	50.3	51.2	52.1	52.9	53.7	54.5	55.2

* 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	62.3	62.3	58.8	57.3	57.1	57.5	58.3	59.1	60	60.9	61.7	62.5	63.2	64
30	61.1	61.1	57.6	56	55.7	56	56.7	57.5	58.3	59.1	59.9	60.7	61.4	62.1
40	60.2	60.2	56.6	55.1	54.7	55.1	55.7	56.5	57.3	58	58.8	59.5	60.2	60.8
50	59.5	59.5	55.9	54.4	54	54.4	55	55.8	56.5	57.3	58	58.7	59.4	60.1
60	58.9	58.9	55.3	53.8	53.5	53.8	54.5	55.3	56	56.8	57.5	58.2	58.9	59.6
70	58.3	58.3	54.8	53.3	53	53.4	54.1	54.8	55.6	56.4	57.2	57.9	58.6	59.2
80	57.9	57.9	54.4	52.8	52.5	52.9	53.6	54.5	55.3	56.1	56.8	57.6	58.3	58.9
90	57.4	57.4	53.9	52.4	52.1	52.6	53.3	54.1	54.9	55.7	56.5	57.2	58	58.6
100	57	57	53.5	52	51.8	52.2	52.9	53.7	54.6	55.4	56.2	56.9	57.7	58.3
110	56.6	56.6	53.2	51.7	51.4	51.8	52.6	53.4	54.3	55.1	55.9	56.6	57.4	58.1
120	56.3	56.3	52.8	51.3	51.1	51.5	52.2	53.1	53.9	54.8	55.6	56.3	57.1	57.8
130	55.9	55.9	52.5	51	50.7	51.2	51.9	52.8	53.6	54.5	55.3	56	56.8	57.5
140	55.6	55.6	52.2	50.7	50.4	50.9	51.6	52.5	53.3	54.2	55	55.7	56.5	57.2
150	55.3	55.3	51.9	50.4	50.1	50.6	51.3	52.2	53	53.9	54.7	55.4	56.2	56.9
160	55	55	51.6	50.1	49.9	50.3	51	51.9	52.8	53.6	54.4	55.2	55.9	56.6
170	54.8	54.8	51.3	49.8	49.6	50	50.8	51.6	52.5	53.3	54.1	54.9	55.6	56.4
180	54.5	54.5	51.1	49.6	49.3	49.8	50.5	51.4	52.2	53.1	53.9	54.6	55.4	56.1
190	54.3	54.3	50.8	49.3	49.1	49.5	50.3	51.1	52	52.8	53.6	54.4	55.1	55.8
200	54	54	50.6	49.1	48.8	49.3	50	50.9	51.7	52.6	53.4	54.1	54.9	55.6
210	53.8	53.8	50.3	48.9	48.6	49	49.8	50.6	51.5	52.3	53.1	53.9	54.6	55.4
220	53.6	53.6	50.1	48.6	48.4	48.8	49.6	50.4	51.3	52.1	52.9	53.7	54.4	55.1
230	53.4	53.4	49.9	48.4	48.2	48.6	49.3	50.2	51	51.9	52.7	53.4	54.2	54.9
240	53.2	53.2	49.7	48.2	47.9	48.4	49.1	50	50.8	51.7	52.5	53.2	54	54.7
250	53	53	49.5	48	47.7	48.2	48.9	49.8	50.6	51.4	52.2	53	53.7	54.5
260	52.8	52.8	49.3	47.8	47.5	48	48.7	49.6	50.4	51.2	52	52.8	53.5	54.2
270	52.6	52.6	49.1	47.6	47.4	47.8	48.5	49.4	50.2	51	51.8	52.6	53.3	54
280	52.4	52.4	48.9	47.4	47.2	47.6	48.3	49.2	50	50.8	51.6	52.4	53.1	53.8
290	52.2	52.2	48.8	47.3	47	47.4	48.1	49	49.8	50.6	51.4	52.2	52.9	53.6
300	52.1	52.1	48.6	47.1	46.8	47.2	48	48.8	49.6	50.5	51.3	52	52.7	53.4

* 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	61.2	61.2	57.7	56.2	55.9	56.4	57.1	57.9	58.8	59.6	60.4	61.2	62	62.7
30	60.1	60.1	56.5	55	54.6	54.9	55.6	56.4	57.1	57.9	58.7	59.4	60.1	60.8
40	59.2	59.2	55.6	54.1	53.7	54	54.7	55.4	56.2	56.9	57.7	58.4	59.1	59.8
50	58.5	58.5	54.9	53.3	52.9	53.2	53.9	54.6	55.3	56.1	56.8	57.4	58.1	58.7
60	57.8	57.8	54.3	52.7	52.3	52.6	53.2	54	54.7	55.4	56.1	56.8	57.4	58
70	57.3	57.3	53.7	52.2	51.8	52.1	52.8	53.5	54.2	55	55.7	56.3	57	57.6
80	56.8	56.8	53.3	51.7	51.4	51.7	52.4	53.1	53.9	54.6	55.3	56	56.7	57.3
90	56.4	56.4	52.9	51.3	51	51.3	52	52.8	53.5	54.3	55	55.7	56.4	57
100	56	56	52.5	50.9	50.6	51	51.6	52.4	53.2	54	54.7	55.4	56.1	56.8
110	55.6	55.6	52.1	50.6	50.2	50.6	51.3	52.1	52.9	53.7	54.4	55.1	55.8	56.5
120	55.3	55.3	51.8	50.2	49.9	50.3	51	51.8	52.6	53.4	54.1	54.9	55.6	56.2
130	54.9	54.9	51.4	49.9	49.6	50	50.7	51.5	52.3	53.1	53.8	54.6	55.3	56
140	54.6	54.6	51.1	49.6	49.3	49.7	50.4	51.2	52	52.8	53.6	54.3	55	55.7
150	54.3	54.3	50.8	49.3	49	49.4	50.1	50.9	51.7	52.5	53.3	54	54.7	55.4
160	54	54	50.5	49	48.7	49.1	49.8	50.6	51.5	52.3	53	53.8	54.5	55.2
170	53.8	53.8	50.3	48.7	48.5	48.9	49.6	50.4	51.2	52	52.8	53.5	54.2	54.9
180	53.5	53.5	50	48.5	48.2	48.6	49.3	50.1	50.9	51.7	52.5	53.3	54	54.7
190	53.3	53.3	49.8	48.2	48	48.4	49.1	49.9	50.7	51.5	52.3	53	53.7	54.4
200	53	53	49.5	48	47.7	48.1	48.8	49.6	50.5	51.3	52	52.8	53.5	54.2
210	52.8	52.8	49.3	47.8	47.5	47.9	48.6	49.4	50.2	51	51.8	52.5	53.2	53.9
220	52.6	52.6	49.1	47.6	47.3	47.7	48.4	49.2	50	50.8	51.6	52.3	53	53.7
230	52.4	52.4	48.9	47.3	47	47.4	48.2	49	49.8	50.6	51.3	52.1	52.8	53.5
240	52.2	52.2	48.7	47.1	46.8	47.2	47.9	48.8	49.6	50.4	51.1	51.9	52.6	53.3
250	52	52	48.5	46.9	46.6	47	47.7	48.5	49.4	50.2	50.9	51.7	52.4	53.1
260	51.8	51.8	48.3	46.8	46.4	46.8	47.5	48.3	49.2	50	50.7	51.5	52.2	52.8
270	51.6	51.6	48.1	46.6	46.3	46.7	47.4	48.2	49	49.8	50.5	51.3	52	52.6
280	51.4	51.4	47.9	46.4	46.1	46.5	47.2	48	48.8	49.6	50.3	51.1	51.8	52.4
290	51.3	51.3	47.7	46.2	45.9	46.3	47	47.8	48.6	49.4	50.1	50.9	51.6	52.2
300	51.1	51.1	47.6	46	45.7	46.1	46.8	47.6	48.4	49.2	50	50.7	51.4	52.1

* 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	60.2	60.2	56.7	55.2	54.9	55.3	56.1	56.9	57.7	58.6	59.4	60.2	60.9	61.6
30	59.3	59.3	55.7	54.1	53.8	54.1	54.8	55.5	56.3	57.1	57.8	58.5	59.2	59.9
40	58.4	58.4	54.8	53.2	52.8	53.1	53.8	54.5	55.3	56	56.8	57.5	58.2	58.9
50	57.6	57.6	54	52.4	52	52.3	53	53.7	54.4	55.2	55.9	56.6	57.3	57.9
60	57	57	53.4	51.8	51.4	51.7	52.3	53	53.7	54.5	55.1	55.8	56.5	57.1
70	56.4	56.4	52.8	51.2	50.8	51.1	51.7	52.5	53.2	53.9	54.6	55.2	55.9	56.5
80	55.9	55.9	52.3	50.7	50.4	50.7	51.3	52	52.7	53.4	54.1	54.8	55.4	56
90	55.5	55.5	51.9	50.3	49.9	50.3	50.9	51.6	52.3	53.1	53.8	54.4	55.1	55.7
100	55.1	55.1	51.5	49.9	49.6	49.9	50.5	51.3	52	52.7	53.4	54.1	54.8	55.4
110	54.7	54.7	51.1	49.6	49.2	49.6	50.2	50.9	51.7	52.4	53.2	53.8	54.5	55.1
120	54.3	54.3	50.8	49.2	48.9	49.2	49.9	50.6	51.4	52.2	52.9	53.6	54.2	54.9
130	54	54	50.5	48.9	48.6	48.9	49.6	50.4	51.1	51.9	52.6	53.3	54	54.6
140	53.7	53.7	50.2	48.6	48.3	48.6	49.3	50.1	50.9	51.6	52.3	53	53.7	54.4
150	53.4	53.4	49.9	48.3	48	48.4	49	49.8	50.6	51.4	52.1	52.8	53.5	54.1
160	53.1	53.1	49.6	48	47.7	48.1	48.8	49.5	50.3	51.1	51.8	52.6	53.2	53.9
170	52.9	52.9	49.3	47.8	47.5	47.8	48.5	49.3	50.1	50.8	51.6	52.3	53	53.7
180	52.6	52.6	49.1	47.5	47.2	47.6	48.3	49	49.8	50.6	51.4	52.1	52.8	53.4
190	52.4	52.4	48.8	47.3	47	47.3	48	48.8	49.6	50.4	51.1	51.8	52.5	53.2
200	52.1	52.1	48.6	47.1	46.7	47.1	47.8	48.6	49.4	50.1	50.9	51.6	52.3	53
210	51.9	51.9	48.4	46.8	46.5	46.9	47.6	48.3	49.1	49.9	50.7	51.4	52.1	52.7
220	51.7	51.7	48.2	46.6	46.3	46.7	47.3	48.1	48.9	49.7	50.4	51.2	51.9	52.5
230	51.5	51.5	48	46.4	46.1	46.5	47.1	47.9	48.7	49.5	50.2	51	51.6	52.3
240	51.3	51.3	47.8	46.2	45.9	46.2	46.9	47.7	48.5	49.3	50	50.7	51.4	52.1
250	51.1	51.1	47.6	46	45.7	46.1	46.7	47.5	48.3	49.1	49.8	50.5	51.2	51.9
260	50.9	50.9	47.4	45.8	45.5	45.9	46.5	47.3	48.1	48.9	49.6	50.3	51	51.7
270	50.7	50.7	47.2	45.6	45.3	45.7	46.3	47.1	47.9	48.7	49.4	50.1	50.8	51.5
280	50.5	50.5	47	45.5	45.1	45.5	46.2	46.9	47.7	48.5	49.2	50	50.7	51.3
290	50.4	50.4	46.8	45.3	44.9	45.3	46	46.8	47.5	48.3	49.1	49.8	50.5	51.1
300	50.2	50.2	46.7	45.1	44.8	45.1	45.8	46.6	47.4	48.1	48.9	49.6	50.3	50.9

* 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	59.3	59.3	55.8	54.2	53.9	54.3	55	55.9	56.7	57.5	58.3	59.1	59.8	60.5
30	58.5	58.5	54.9	53.3	52.9	53.2	53.8	54.6	55.3	56.1	56.8	57.5	58.1	58.8
40	57.6	57.6	54	52.4	52	52.3	52.9	53.6	54.4	55.1	55.8	56.5	57.2	57.8
50	56.8	56.8	53.2	51.6	51.2	51.5	52.1	52.8	53.5	54.2	54.9	55.5	56.2	56.8
60	56.2	56.2	52.5	50.9	50.5	50.8	51.3	52	52.7	53.4	54.1	54.7	55.4	56
70	55.6	55.6	52	50.3	49.9	50.2	50.8	51.5	52.2	52.8	53.5	54.1	54.7	55.3
80	55.1	55.1	51.5	49.9	49.4	49.7	50.3	51	51.7	52.4	53	53.6	54.3	54.8
90	54.6	54.6	51.1	49.4	49	49.3	49.9	50.6	51.3	52	52.6	53.3	53.9	54.5
100	54.2	54.2	50.7	49	48.6	48.9	49.5	50.2	51	51.7	52.3	53	53.6	54.2
110	53.9	53.9	50.3	48.7	48.3	48.6	49.2	49.9	50.6	51.4	52	52.7	53.3	53.9
120	53.5	53.5	49.9	48.3	48	48.3	48.9	49.6	50.4	51.1	51.8	52.4	53	53.7
130	53.2	53.2	49.6	48	47.7	48	48.6	49.3	50.1	50.8	51.5	52.1	52.8	53.4
140	52.9	52.9	49.3	47.7	47.4	47.7	48.3	49	49.8	50.5	51.2	51.9	52.5	53.2
150	52.6	52.6	49	47.4	47.1	47.4	48	48.8	49.5	50.3	51	51.6	52.3	52.9
160	52.3	52.3	48.7	47.2	46.8	47.1	47.8	48.5	49.3	50	50.7	51.4	52	52.7
170	52	52	48.5	46.9	46.5	46.9	47.5	48.3	49	49.8	50.5	51.2	51.8	52.4
180	51.8	51.8	48.2	46.6	46.3	46.6	47.3	48	48.8	49.5	50.2	50.9	51.6	52.2
190	51.5	51.5	48	46.4	46	46.4	47	47.8	48.5	49.3	50	50.7	51.3	52
200	51.3	51.3	47.8	46.2	45.8	46.2	46.8	47.5	48.3	49.1	49.8	50.5	51.1	51.8
210	51.1	51.1	47.5	45.9	45.6	45.9	46.6	47.3	48.1	48.8	49.5	50.2	50.9	51.5
220	50.9	50.9	47.3	45.7	45.4	45.7	46.4	47.1	47.9	48.6	49.3	50	50.7	51.3
230	50.7	50.7	47.1	45.5	45.2	45.5	46.1	46.9	47.7	48.4	49.1	49.8	50.5	51.1
240	50.5	50.5	46.9	45.3	45	45.3	45.9	46.7	47.4	48.2	48.9	49.6	50.3	50.9
250	50.3	50.3	46.7	45.1	44.8	45.1	45.7	46.5	47.2	48	48.7	49.4	50	50.7
260	50.1	50.1	46.5	44.9	44.6	44.9	45.5	46.3	47.1	47.8	48.5	49.2	49.9	50.5
270	49.9	49.9	46.3	44.7	44.4	44.7	45.4	46.1	46.9	47.6	48.3	49	49.7	50.3
280	49.7	49.7	46.1	44.6	44.2	44.5	45.2	45.9	46.7	47.4	48.1	48.8	49.5	50.1
290	49.5	49.5	46	44.4	44	44.4	45	45.7	46.5	47.2	47.9	48.6	49.3	49.9
300	49.4	49.4	45.8	44.2	43.9	44.2	44.8	45.6	46.3	47.1	47.8	48.4	49.1	49.7

* 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	58.5	58.5	55	53.4	53.1	53.5	54.2	55	55.8	56.6	57.3	58.1	58.8	59.5
30	57.8	57.8	54.2	52.6	52.2	52.5	53.1	53.8	54.5	55.2	55.9	56.6	57.2	57.9
40	56.9	56.9	53.3	51.7	51.3	51.6	52.2	52.9	53.7	54.4	55.1	55.8	56.4	57.1
50	56.2	56.2	52.5	50.9	50.5	50.8	51.4	52.1	52.8	53.5	54.2	54.9	55.6	56.2
60	55.5	55.5	51.8	50.2	49.8	50	50.6	51.3	52	52.7	53.4	54	54.6	55.2
70	54.9	54.9	51.3	49.6	49.2	49.4	50	50.7	51.4	52	52.7	53.3	53.9	54.5
80	54.4	54.4	50.8	49.1	48.7	48.9	49.5	50.2	50.9	51.5	52.2	52.8	53.4	54
90	53.9	53.9	50.3	48.7	48.2	48.5	49.1	49.8	50.4	51.1	51.8	52.4	53	53.5
100	53.5	53.5	49.9	48.3	47.9	48.1	48.7	49.4	50.1	50.8	51.4	52	52.6	53.2
110	53.1	53.1	49.5	47.9	47.5	47.8	48.4	49.1	49.8	50.4	51.1	51.7	52.3	52.9
120	52.8	52.8	49.2	47.6	47.2	47.5	48.1	48.8	49.5	50.2	50.8	51.5	52.1	52.7
130	52.5	52.5	48.9	47.3	46.9	47.2	47.8	48.5	49.2	49.9	50.6	51.2	51.8	52.4
140	52.1	52.1	48.6	46.9	46.6	46.9	47.5	48.2	48.9	49.6	50.3	50.9	51.6	52.2
150	51.8	51.8	48.3	46.7	46.3	46.6	47.2	47.9	48.6	49.4	50	50.7	51.3	51.9
160	51.6	51.6	48	46.4	46	46.3	46.9	47.7	48.4	49.1	49.8	50.5	51.1	51.7
170	51.3	51.3	47.7	46.1	45.8	46.1	46.7	47.4	48.2	48.9	49.6	50.2	50.9	51.5
180	51.1	51.1	47.5	45.9	45.5	45.8	46.5	47.2	47.9	48.6	49.3	50	50.6	51.3
190	50.8	50.8	47.2	45.6	45.3	45.6	46.2	46.9	47.7	48.4	49.1	49.8	50.4	51
200	50.6	50.6	47	45.4	45	45.4	46	46.7	47.5	48.2	48.9	49.6	50.2	50.8
210	50.4	50.4	46.8	45.2	44.8	45.1	45.8	46.5	47.2	48	48.7	49.3	50	50.6
220	50.1	50.1	46.6	45	44.6	44.9	45.6	46.3	47	47.8	48.5	49.1	49.8	50.4
230	49.9	49.9	46.4	44.8	44.4	44.7	45.3	46.1	46.8	47.5	48.2	48.9	49.6	50.2
240	49.7	49.7	46.2	44.6	44.2	44.5	45.1	45.9	46.6	47.3	48	48.7	49.4	50
250	49.5	49.5	46	44.4	44	44.3	44.9	45.7	46.4	47.1	47.8	48.5	49.2	49.8
260	49.4	49.4	45.8	44.2	43.8	44.1	44.8	45.5	46.2	47	47.6	48.3	49	49.6
270	49.2	49.2	45.6	44	43.6	43.9	44.6	45.3	46	46.8	47.5	48.1	48.8	49.4
280	49	49	45.4	43.8	43.4	43.8	44.4	45.1	45.9	46.6	47.3	47.9	48.6	49.2
290	48.8	48.8	45.2	43.6	43.3	43.6	44.2	44.9	45.7	46.4	47.1	47.8	48.4	49
300	48.7	48.7	45.1	43.5	43.1	43.4	44	44.8	45.5	46.2	46.9	47.6	48.2	48.9

* 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	57.9	57.9	54.4	52.9	52.6	53	53.7	54.5	55.4	56.2	57	57.8	58.5	59.2
30	57.2	57.2	53.6	52	51.6	51.9	52.5	53.2	54	54.7	55.4	56.1	56.8	57.4
40	56.3	56.3	52.7	51	50.6	50.9	51.5	52.3	53	53.7	54.4	55.1	55.7	56.3
50	55.5	55.5	51.9	50.3	49.9	50.2	50.8	51.5	52.3	53	53.7	54.4	55.1	55.7
60	54.9	54.9	51.3	49.6	49.2	49.5	50.1	50.8	51.6	52.3	53	53.7	54.3	55
70	54.3	54.3	50.7	49	48.6	48.9	49.5	50.2	50.9	51.6	52.3	52.9	53.6	54.2
80	53.8	53.8	50.1	48.5	48.1	48.3	48.9	49.6	50.3	51	51.6	52.3	52.9	53.5
90	53.3	53.3	49.7	48	47.6	47.9	48.4	49.1	49.8	50.5	51.1	51.7	52.3	52.9
100	52.9	52.9	49.2	47.6	47.2	47.4	48	48.7	49.4	50	50.7	51.3	51.9	52.5
110	52.5	52.5	48.9	47.2	46.8	47.1	47.6	48.3	49	49.7	50.3	50.9	51.5	52.1
120	52.1	52.1	48.5	46.9	46.5	46.7	47.3	48	48.7	49.4	50	50.6	51.2	51.8
130	51.8	51.8	48.2	46.6	46.1	46.4	47	47.7	48.4	49.1	49.7	50.4	51	51.6
140	51.5	51.5	47.9	46.3	45.9	46.1	46.7	47.4	48.1	48.8	49.5	50.1	50.7	51.3
150	51.2	51.2	47.6	46	45.6	45.9	46.5	47.2	47.9	48.6	49.2	49.9	50.5	51.1
160	50.9	50.9	47.3	45.7	45.3	45.6	46.2	46.9	47.6	48.3	49	49.7	50.3	50.9
170	50.7	50.7	47.1	45.5	45.1	45.4	46	46.7	47.4	48.1	48.8	49.4	50.1	50.7
180	50.4	50.4	46.8	45.2	44.8	45.1	45.7	46.4	47.2	47.9	48.6	49.2	49.9	50.5
190	50.2	50.2	46.6	45	44.6	44.9	45.5	46.2	47	47.7	48.4	49	49.6	50.3
200	49.9	49.9	46.4	44.7	44.4	44.7	45.3	46	46.7	47.5	48.1	48.8	49.4	50.1
210	49.7	49.7	46.1	44.5	44.1	44.5	45.1	45.8	46.5	47.2	47.9	48.6	49.2	49.9
220	49.5	49.5	45.9	44.3	43.9	44.2	44.9	45.6	46.3	47	47.7	48.4	49	49.7
230	49.3	49.3	45.7	44.1	43.7	44	44.7	45.4	46.1	46.8	47.5	48.2	48.8	49.5
240	49.1	49.1	45.5	43.9	43.5	43.8	44.5	45.2	45.9	46.6	47.3	48	48.6	49.3
250	48.9	48.9	45.3	43.7	43.3	43.6	44.3	45	45.7	46.4	47.1	47.8	48.5	49.1
260	48.7	48.7	45.1	43.5	43.1	43.5	44.1	44.8	45.5	46.3	47	47.6	48.3	48.9
270	48.5	48.5	45	43.3	43	43.3	43.9	44.6	45.4	46.1	46.8	47.4	48.1	48.7
280	48.4	48.4	44.8	43.2	42.8	43.1	43.7	44.4	45.2	45.9	46.6	47.3	47.9	48.5
290	48.2	48.2	44.6	43	42.6	42.9	43.5	44.3	45	45.7	46.4	47.1	47.7	48.3
300	48	48	44.4	42.8	42.4	42.8	43.4	44.1	44.8	45.5	46.2	46.9	47.5	48.2

* 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	66.2	66.2	62.9	61.5	61.5	62.1	63	64	65.1	66.1	67.1	68	68.9	69.8
30	64.3	64.3	60.9	59.4	59.2	59.7	60.5	61.4	62.4	63.3	64.2	65.1	65.9	66.7
40	62.9	62.9	59.4	57.9	57.6	58.1	58.8	59.7	60.6	61.4	62.3	63.1	63.9	64.7
50	61.8	61.8	58.3	56.8	56.4	56.8	57.5	58.3	59.2	60	60.8	61.6	62.3	63
60	60.9	60.9	57.4	55.8	55.4	55.7	56.4	57.2	57.9	58.7	59.5	60.2	60.9	61.6
70	60.2	60.2	56.5	54.9	54.5	54.8	55.4	56.1	56.9	57.6	58.3	59	59.7	60.3
80	59.5	59.5	55.8	54.2	53.7	54	54.6	55.2	55.9	56.6	57.3	57.9	58.6	59.2
90	58.9	58.9	55.2	53.5	53	53.3	53.8	54.4	55.1	55.7	56.4	57	57.6	58.1
100	58.3	58.3	54.6	52.9	52.4	52.6	53.1	53.7	54.3	54.9	55.5	56.1	56.7	57.2
110	57.8	57.8	54.1	52.4	51.9	52.1	52.5	53.1	53.7	54.2	54.8	55.3	55.8	56.3
120	57.4	57.4	53.7	51.9	51.4	51.5	52	52.5	53.1	53.6	54.1	54.6	55.1	55.6
130	57	57	53.3	51.5	51	51.1	51.5	52	52.6	53.1	53.6	54	54.5	54.9
140	56.6	56.6	52.9	51.1	50.6	50.7	51.1	51.6	52.1	52.6	53	53.5	53.9	54.3
150	56.3	56.3	52.6	50.8	50.2	50.3	50.7	51.1	51.6	52.1	52.5	52.9	53.3	53.7
160	56	56	52.2	50.4	49.8	49.9	50.3	50.8	51.2	51.7	52.1	52.5	52.9	53.2
170	55.7	55.7	51.9	50.1	49.5	49.6	50	50.4	50.9	51.3	51.7	52.1	52.4	52.8
180	55.4	55.4	51.7	49.8	49.2	49.3	49.6	50.1	50.5	50.9	51.3	51.7	52	52.3
190	55.2	55.2	51.4	49.6	49	49	49.3	49.8	50.2	50.6	51	51.3	51.6	51.9
200	54.9	54.9	51.1	49.3	48.7	48.7	49.1	49.5	49.9	50.3	50.6	51	51.3	51.5
210	54.7	54.7	50.9	49.1	48.4	48.5	48.8	49.2	49.6	50	50.3	50.6	50.9	51.2
220	54.5	54.5	50.7	48.8	48.2	48.2	48.6	49	49.4	49.7	50.1	50.4	50.6	50.9
230	54.2	54.2	50.5	48.6	48	48	48.3	48.7	49.1	49.5	49.8	50.1	50.3	50.6
240	54	54	50.3	48.4	47.8	47.8	48.1	48.5	48.9	49.2	49.5	49.8	50.1	50.3
250	53.9	53.9	50.1	48.2	47.6	47.6	47.9	48.3	48.7	49	49.3	49.6	49.8	50
260	53.7	53.7	49.9	48	47.4	47.4	47.7	48.1	48.5	48.8	49.1	49.4	49.6	49.8
270	53.5	53.5	49.7	47.8	47.2	47.2	47.5	47.9	48.3	48.6	48.9	49.1	49.4	49.6
280	53.3	53.3	49.5	47.7	47	47	47.3	47.7	48.1	48.4	48.7	48.9	49.2	49.3
290	53.2	53.2	49.4	47.5	46.8	46.9	47.2	47.5	47.9	48.2	48.5	48.7	49	49.1
300	53	53	49.2	47.3	46.7	46.7	47	47.4	47.7	48	48.3	48.6	48.8	49

* 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	64.3	64.3	60.8	59.3	59.1	59.6	60.3	61.2	62.2	63.1	64	64.8	65.6	66.4
30	62.7	62.7	59.1	57.5	57.2	57.6	58.3	59.1	59.9	60.7	61.5	62.3	63.1	63.8
40	61.4	61.4	57.8	56.2	55.8	56.2	56.8	57.5	58.3	59.1	59.8	60.6	61.3	62
50	60.5	60.5	56.8	55.2	54.8	55.1	55.7	56.4	57.1	57.8	58.5	59.2	59.9	60.6
60	59.6	59.6	56	54.3	53.9	54.1	54.7	55.4	56.1	56.7	57.4	58.1	58.7	59.4
70	58.9	58.9	55.2	53.5	53.1	53.3	53.8	54.5	55.1	55.8	56.4	57.1	57.7	58.3
80	58.3	58.3	54.6	52.9	52.4	52.6	53.1	53.7	54.3	54.9	55.5	56.1	56.7	57.3
90	57.7	57.7	54	52.3	51.8	51.9	52.4	53	53.6	54.2	54.7	55.3	55.8	56.4
100	57.2	57.2	53.5	51.7	51.2	51.4	51.8	52.4	52.9	53.5	54	54.5	55	55.5
110	56.7	56.7	53	51.2	50.7	50.8	51.3	51.8	52.3	52.8	53.4	53.8	54.3	54.8
120	56.3	56.3	52.6	50.8	50.2	50.3	50.8	51.3	51.8	52.3	52.7	53.2	53.7	54.1
130	55.9	55.9	52.2	50.4	49.8	49.9	50.3	50.8	51.3	51.8	52.2	52.6	53.1	53.5
140	55.6	55.6	51.8	50	49.4	49.5	49.9	50.4	50.8	51.3	51.7	52.1	52.5	52.9
150	55.2	55.2	51.5	49.7	49.1	49.1	49.5	50	50.4	50.9	51.3	51.6	52	52.4
160	54.9	54.9	51.2	49.4	48.7	48.8	49.2	49.6	50	50.5	50.8	51.2	51.6	51.9
170	54.6	54.6	50.9	49.1	48.4	48.5	48.8	49.3	49.7	50.1	50.5	50.8	51.1	51.5
180	54.4	54.4	50.6	48.8	48.1	48.2	48.5	48.9	49.4	49.8	50.1	50.4	50.8	51
190	54.1	54.1	50.3	48.5	47.9	47.9	48.2	48.7	49.1	49.4	49.8	50.1	50.4	50.7
200	53.9	53.9	50.1	48.3	47.6	47.7	48	48.4	48.8	49.1	49.5	49.8	50.1	50.3
210	53.6	53.6	49.9	48	47.4	47.4	47.7	48.1	48.5	48.9	49.2	49.5	49.7	50
220	53.4	53.4	49.6	47.8	47.1	47.2	47.5	47.9	48.2	48.6	48.9	49.2	49.4	49.7
230	53.2	53.2	49.4	47.6	46.9	46.9	47.2	47.6	48	48.3	48.7	48.9	49.2	49.4
240	53	53	49.2	47.4	46.7	46.7	47	47.4	47.8	48.1	48.4	48.7	48.9	49.1
250	52.8	52.8	49	47.2	46.5	46.5	46.8	47.2	47.6	47.9	48.2	48.4	48.7	48.9
260	52.6	52.6	48.8	47	46.3	46.3	46.6	47	47.4	47.7	48	48.2	48.4	48.6
270	52.5	52.5	48.7	46.8	46.1	46.2	46.4	46.8	47.2	47.5	47.8	48	48.2	48.4
280	52.3	52.3	48.5	46.6	46	46	46.3	46.6	47	47.3	47.6	47.8	48	48.2
290	52.1	52.1	48.3	46.5	45.8	45.8	46.1	46.4	46.8	47.1	47.4	47.6	47.8	48
300	52	52	48.2	46.3	45.6	45.6	45.9	46.3	46.6	46.9	47.2	47.4	47.6	47.7

* 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	62.8	62.8	59.3	57.8	57.5	57.9	58.7	59.5	60.4	61.2	62	62.8	63.6	64.4
30	61.4	61.4	57.8	56.2	55.8	56.2	56.8	57.6	58.4	59.2	60	60.7	61.5	62.2
40	60.3	60.3	56.6	55	54.6	54.9	55.5	56.2	56.9	57.7	58.4	59.1	59.8	60.5
50	59.3	59.3	55.7	54	53.6	53.8	54.4	55	55.7	56.4	57.1	57.8	58.4	59.1
60	58.5	58.5	54.9	53.2	52.7	52.9	53.5	54.1	54.8	55.4	56.1	56.7	57.3	57.9
70	57.8	57.8	54.2	52.4	52	52.2	52.7	53.3	53.9	54.5	55.1	55.7	56.3	56.9
80	57.2	57.2	53.5	51.8	51.3	51.5	51.9	52.5	53.1	53.7	54.3	54.9	55.4	56
90	56.7	56.7	53	51.2	50.7	50.9	51.3	51.9	52.5	53	53.6	54.1	54.6	55.1
100	56.2	56.2	52.5	50.7	50.2	50.3	50.7	51.3	51.8	52.4	52.9	53.4	53.9	54.4
110	55.7	55.7	52	50.2	49.7	49.8	50.2	50.7	51.3	51.8	52.3	52.8	53.2	53.7
120	55.3	55.3	51.6	49.8	49.2	49.3	49.7	50.2	50.7	51.2	51.7	52.2	52.6	53
130	54.9	54.9	51.2	49.4	48.8	48.9	49.3	49.8	50.3	50.7	51.2	51.6	52	52.4
140	54.6	54.6	50.8	49	48.4	48.5	48.9	49.3	49.8	50.3	50.7	51.1	51.5	51.9
150	54.3	54.3	50.5	48.7	48.1	48.1	48.5	49	49.4	49.8	50.3	50.6	51	51.4
160	53.9	53.9	50.2	48.4	47.7	47.8	48.2	48.6	49	49.5	49.8	50.2	50.6	50.9
170	53.7	53.7	49.9	48.1	47.4	47.5	47.8	48.3	48.7	49.1	49.5	49.8	50.1	50.5
180	53.4	53.4	49.6	47.8	47.2	47.2	47.5	48	48.4	48.8	49.1	49.5	49.8	50.1
190	53.1	53.1	49.4	47.5	46.9	46.9	47.3	47.7	48.1	48.5	48.8	49.1	49.4	49.7
200	52.9	52.9	49.1	47.3	46.6	46.7	47	47.4	47.8	48.2	48.5	48.8	49.1	49.3
210	52.7	52.7	48.9	47	46.4	46.4	46.7	47.1	47.5	47.9	48.2	48.5	48.8	49
220	52.4	52.4	48.7	46.8	46.2	46.2	46.5	46.9	47.3	47.6	47.9	48.2	48.5	48.7
230	52.2	52.2	48.4	46.6	45.9	46	46.3	46.6	47	47.4	47.7	48	48.2	48.4
240	52	52	48.2	46.4	45.7	45.7	46	46.4	46.8	47.1	47.4	47.7	47.9	48.1
250	51.8	51.8	48	46.2	45.5	45.5	45.8	46.2	46.6	46.9	47.2	47.5	47.7	47.9
260	51.7	51.7	47.9	46	45.3	45.4	45.6	46	46.4	46.7	47	47.2	47.5	47.6
270	51.5	51.5	47.7	45.8	45.2	45.2	45.5	45.8	46.2	46.5	46.8	47	47.2	47.4
280	51.3	51.3	47.5	45.6	45	45	45.3	45.6	46	46.3	46.6	46.8	47	47.2
290	51.1	51.1	47.3	45.5	44.8	44.8	45.1	45.4	45.8	46.1	46.4	46.6	46.8	47
300	51	51	47.2	45.3	44.6	44.6	44.9	45.3	45.6	45.9	46.2	46.4	46.6	46.8

* 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	61.6	61.6	58.1	56.5	56.2	56.6	57.3	58.1	58.9	59.7	60.5	61.2	62	62.7
30	60.3	60.3	56.7	55.1	54.7	55	55.6	56.3	57.1	57.9	58.6	59.3	60	60.7
40	59.2	59.2	55.6	53.9	53.4	53.7	54.3	55	55.7	56.4	57.1	57.8	58.4	59.1
50	58.3	58.3	54.6	52.9	52.4	52.7	53.2	53.8	54.5	55.2	55.8	56.5	57.1	57.7
60	57.5	57.5	53.9	52.1	51.6	51.8	52.3	52.9	53.6	54.2	54.8	55.4	56	56.6
70	56.9	56.9	53.2	51.4	50.9	51.1	51.6	52.2	52.8	53.4	54	54.5	55.1	55.6
80	56.3	56.3	52.6	50.8	50.3	50.4	50.9	51.5	52.1	52.6	53.2	53.7	54.3	54.8
90	55.7	55.7	52	50.3	49.7	49.9	50.3	50.8	51.4	52	52.5	53	53.5	54
100	55.3	55.3	51.5	49.8	49.2	49.3	49.8	50.3	50.8	51.3	51.8	52.3	52.8	53.3
110	54.8	54.8	51.1	49.3	48.7	48.8	49.2	49.8	50.3	50.8	51.3	51.7	52.2	52.6
120	54.4	54.4	50.7	48.9	48.3	48.4	48.8	49.3	49.8	50.3	50.7	51.2	51.6	52
130	54	54	50.3	48.5	47.9	48	48.3	48.8	49.3	49.8	50.2	50.6	51	51.4
140	53.7	53.7	49.9	48.1	47.5	47.6	47.9	48.4	48.9	49.3	49.7	50.1	50.5	50.9
150	53.3	53.3	49.6	47.8	47.2	47.2	47.6	48	48.5	48.9	49.3	49.7	50.1	50.4
160	53	53	49.3	47.4	46.8	46.9	47.2	47.7	48.1	48.5	48.9	49.3	49.6	50
170	52.7	52.7	49	47.1	46.5	46.6	46.9	47.3	47.8	48.2	48.6	48.9	49.2	49.5
180	52.5	52.5	48.7	46.9	46.2	46.3	46.6	47	47.5	47.8	48.2	48.5	48.9	49.2
190	52.2	52.2	48.4	46.6	46	46	46.3	46.7	47.2	47.5	47.9	48.2	48.5	48.8
200	52	52	48.2	46.4	45.7	45.8	46.1	46.5	46.9	47.2	47.6	47.9	48.2	48.4
210	51.7	51.7	48	46.1	45.5	45.5	45.8	46.2	46.6	47	47.3	47.6	47.9	48.1
220	51.5	51.5	47.7	45.9	45.2	45.3	45.6	46	46.4	46.7	47	47.3	47.6	47.8
230	51.3	51.3	47.5	45.7	45	45	45.3	45.7	46.1	46.5	46.8	47	47.3	47.5
240	51.1	51.1	47.3	45.5	44.8	44.8	45.1	45.5	45.9	46.2	46.5	46.8	47	47.3
250	50.9	50.9	47.1	45.3	44.6	44.6	44.9	45.3	45.7	46	46.3	46.6	46.8	47
260	50.7	50.7	46.9	45.1	44.4	44.4	44.7	45.1	45.5	45.8	46.1	46.3	46.5	46.8
270	50.5	50.5	46.7	44.9	44.2	44.2	44.5	44.9	45.3	45.6	45.9	46.1	46.3	46.5
280	50.4	50.4	46.6	44.7	44.1	44.1	44.3	44.7	45.1	45.4	45.7	45.9	46.1	46.3
290	50.2	50.2	46.4	44.5	43.9	43.9	44.2	44.5	44.9	45.2	45.5	45.7	45.9	46.1
300	50	50	46.2	44.4	43.7	43.7	44	44.4	44.7	45	45.3	45.5	45.7	45.9

* 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	60.4	60.4	56.9	55.3	55	55.3	56	56.8	57.6	58.3	59.1	59.8	60.5	61.2
30	59.3	59.3	55.7	54.1	53.6	53.9	54.5	55.2	56	56.7	57.4	58.1	58.8	59.5
40	58.3	58.3	54.6	53	52.5	52.8	53.3	54	54.7	55.4	56.1	56.8	57.5	58.1
50	57.4	57.4	53.7	52	51.5	51.7	52.3	52.9	53.6	54.2	54.9	55.5	56.1	56.8
60	56.7	56.7	53	51.2	50.7	50.9	51.4	52	52.6	53.2	53.8	54.4	55	55.6
70	56	56	52.3	50.6	50	50.2	50.7	51.2	51.8	52.4	53	53.5	54.1	54.6
80	55.4	55.4	51.7	49.9	49.4	49.5	50	50.5	51.1	51.7	52.2	52.7	53.3	53.8
90	54.9	54.9	51.2	49.4	48.8	49	49.4	49.9	50.5	51	51.5	52	52.5	53
100	54.4	54.4	50.7	48.9	48.3	48.4	48.9	49.4	49.9	50.4	50.9	51.4	51.9	52.3
110	54	54	50.2	48.4	47.9	48	48.4	48.9	49.4	49.9	50.3	50.8	51.2	51.7
120	53.5	53.5	49.8	48	47.4	47.5	47.9	48.4	48.9	49.4	49.8	50.2	50.7	51.1
130	53.2	53.2	49.4	47.6	47	47.1	47.5	47.9	48.4	48.9	49.3	49.7	50.1	50.5
140	52.8	52.8	49.1	47.2	46.6	46.7	47.1	47.5	48	48.4	48.9	49.3	49.6	50
150	52.5	52.5	48.7	46.9	46.3	46.4	46.7	47.2	47.6	48	48.4	48.8	49.2	49.5
160	52.2	52.2	48.4	46.6	46	46	46.4	46.8	47.2	47.7	48.1	48.4	48.8	49.1
170	51.9	51.9	48.1	46.3	45.7	45.7	46.1	46.5	46.9	47.3	47.7	48	48.4	48.7
180	51.6	51.6	47.8	46	45.4	45.4	45.8	46.2	46.6	47	47.4	47.7	48	48.3
190	51.4	51.4	47.6	45.7	45.1	45.2	45.5	45.9	46.3	46.7	47	47.4	47.7	47.9
200	51.1	51.1	47.3	45.5	44.9	44.9	45.2	45.6	46	46.4	46.7	47	47.3	47.6
210	50.9	50.9	47.1	45.3	44.6	44.6	45	45.4	45.8	46.1	46.4	46.8	47	47.3
220	50.7	50.7	46.9	45	44.4	44.4	44.7	45.1	45.5	45.9	46.2	46.5	46.7	47
230	50.4	50.4	46.7	44.8	44.2	44.2	44.5	44.9	45.3	45.6	45.9	46.2	46.5	46.7
240	50.2	50.2	46.5	44.6	44	44	44.3	44.7	45	45.4	45.7	46	46.2	46.4
250	50	50	46.3	44.4	43.8	43.8	44.1	44.4	44.8	45.2	45.4	45.7	46	46.2
260	49.9	49.9	46.1	44.2	43.6	43.6	43.9	44.2	44.6	44.9	45.2	45.5	45.7	45.9
270	49.7	49.7	45.9	44	43.4	43.4	43.7	44	44.4	44.7	45	45.3	45.5	45.7
280	49.5	49.5	45.7	43.9	43.2	43.2	43.5	43.9	44.2	44.5	44.8	45.1	45.3	45.5
290	49.3	49.3	45.5	43.7	43	43	43.3	43.7	44	44.3	44.6	44.9	45.1	45.2
300	49.2	49.2	45.4	43.5	42.9	42.9	43.1	43.5	43.8	44.2	44.4	44.7	44.9	45

* 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	59.4	59.4	55.9	54.3	53.9	54.3	54.9	55.7	56.5	57.3	58.1	58.8	59.5	60.2
30	58.5	58.5	54.9	53.2	52.8	53.1	53.7	54.4	55.1	55.9	56.6	57.3	58	58.6
40	57.5	57.5	53.8	52.1	51.7	51.9	52.5	53.1	53.8	54.5	55.2	55.9	56.5	57.2
50	56.6	56.6	52.9	51.2	50.7	51	51.5	52.1	52.8	53.5	54.1	54.8	55.4	56
60	55.9	55.9	52.2	50.5	49.9	50.1	50.6	51.2	51.9	52.5	53.1	53.7	54.3	54.9
70	55.2	55.2	51.5	49.8	49.2	49.4	49.9	50.5	51.1	51.7	52.3	52.8	53.4	54
80	54.6	54.6	50.9	49.2	48.6	48.8	49.2	49.8	50.4	50.9	51.5	52.1	52.6	53.1
90	54.1	54.1	50.4	48.6	48.1	48.2	48.6	49.2	49.7	50.3	50.8	51.4	51.9	52.4
100	53.6	53.6	49.9	48.1	47.6	47.7	48.1	48.6	49.2	49.7	50.2	50.7	51.2	51.7
110	53.2	53.2	49.4	47.7	47.1	47.2	47.6	48.1	48.6	49.2	49.6	50.1	50.6	51.1
120	52.8	52.8	49	47.2	46.7	46.8	47.2	47.7	48.2	48.7	49.1	49.6	50	50.5
130	52.4	52.4	48.6	46.8	46.3	46.3	46.7	47.2	47.7	48.2	48.6	49.1	49.5	49.9
140	52	52	48.3	46.5	45.9	46	46.3	46.8	47.3	47.8	48.2	48.6	49	49.4
150	51.7	51.7	47.9	46.1	45.5	45.6	46	46.4	46.9	47.4	47.8	48.2	48.6	49
160	51.4	51.4	47.6	45.8	45.2	45.3	45.6	46.1	46.5	47	47.4	47.8	48.2	48.5
170	51.1	51.1	47.3	45.5	44.9	45	45.3	45.8	46.2	46.6	47	47.4	47.8	48.1
180	50.8	50.8	47.1	45.2	44.6	44.7	45	45.5	45.9	46.3	46.7	47	47.4	47.7
190	50.6	50.6	46.8	45	44.4	44.4	44.7	45.2	45.6	46	46.4	46.7	47	47.4
200	50.3	50.3	46.6	44.7	44.1	44.1	44.5	44.9	45.3	45.7	46.1	46.4	46.7	47
210	50.1	50.1	46.3	44.5	43.9	43.9	44.2	44.6	45	45.4	45.8	46.1	46.4	46.7
220	49.9	49.9	46.1	44.3	43.6	43.7	44	44.4	44.8	45.2	45.5	45.8	46.1	46.4
230	49.7	49.7	45.9	44	43.4	43.4	43.7	44.1	44.5	44.9	45.2	45.5	45.8	46.1
240	49.5	49.5	45.7	43.8	43.2	43.2	43.5	43.9	44.3	44.7	45	45.3	45.6	45.8
250	49.3	49.3	45.5	43.6	43	43	43.3	43.7	44.1	44.4	44.8	45.1	45.3	45.6
260	49.1	49.1	45.3	43.4	42.8	42.8	43.1	43.5	43.9	44.2	44.5	44.8	45.1	45.3
270	48.9	48.9	45.1	43.2	42.6	42.6	42.9	43.3	43.7	44	44.3	44.6	44.8	45.1
280	48.7	48.7	44.9	43.1	42.4	42.4	42.7	43.1	43.5	43.8	44.1	44.4	44.6	44.8
290	48.5	48.5	44.7	42.9	42.2	42.3	42.5	42.9	43.3	43.6	43.9	44.2	44.4	44.6
300	48.4	48.4	44.6	42.7	42.1	42.1	42.4	42.7	43.1	43.4	43.7	44	44.2	44.4

* 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	58.4	58.4	54.9	53.3	52.9	53.2	53.9	54.6	55.4	56.1	56.9	57.6	58.3	59
30	57.7	57.7	54	52.4	51.9	52.2	52.8	53.4	54.2	54.8	55.5	56.2	56.8	57.5
40	56.7	56.7	53	51.3	50.9	51.1	51.7	52.3	53	53.7	54.3	55	55.6	56.2
50	55.8	55.8	52.2	50.4	49.9	50.1	50.7	51.3	51.9	52.6	53.2	53.8	54.4	55
60	55.1	55.1	51.4	49.7	49.1	49.3	49.8	50.4	51	51.6	52.2	52.7	53.3	53.9
70	54.5	54.5	50.7	49	48.4	48.6	49	49.6	50.2	50.8	51.3	51.9	52.4	52.9
80	53.9	53.9	50.1	48.4	47.8	48	48.4	48.9	49.5	50	50.6	51.1	51.6	52.1
90	53.4	53.4	49.6	47.8	47.3	47.4	47.8	48.3	48.9	49.4	49.9	50.4	50.9	51.4
100	52.9	52.9	49.1	47.3	46.8	46.9	47.3	47.8	48.3	48.8	49.3	49.8	50.3	50.7
110	52.4	52.4	48.7	46.9	46.3	46.4	46.8	47.3	47.8	48.3	48.8	49.2	49.7	50.1
120	52	52	48.3	46.5	45.9	46	46.4	46.8	47.3	47.8	48.3	48.7	49.1	49.5
130	51.7	51.7	47.9	46.1	45.5	45.6	46	46.4	46.9	47.4	47.8	48.2	48.6	49
140	51.3	51.3	47.5	45.7	45.1	45.2	45.6	46	46.5	46.9	47.4	47.8	48.1	48.5
150	51	51	47.2	45.4	44.8	44.8	45.2	45.6	46.1	46.5	46.9	47.3	47.7	48.1
160	50.7	50.7	46.9	45.1	44.5	44.5	44.9	45.3	45.7	46.2	46.6	46.9	47.3	47.6
170	50.4	50.4	46.6	44.8	44.2	44.2	44.6	45	45.4	45.8	46.2	46.6	46.9	47.2
180	50.1	50.1	46.3	44.5	43.9	43.9	44.3	44.7	45.1	45.5	45.9	46.2	46.6	46.9
190	49.9	49.9	46.1	44.2	43.6	43.6	44	44.4	44.8	45.2	45.6	45.9	46.2	46.5
200	49.6	49.6	45.8	44	43.4	43.4	43.7	44.1	44.5	44.9	45.3	45.6	45.9	46.2
210	49.4	49.4	45.6	43.7	43.1	43.1	43.5	43.9	44.3	44.6	45	45.3	45.6	45.9
220	49.1	49.1	45.4	43.5	42.9	42.9	43.2	43.6	44	44.4	44.7	45	45.3	45.6
230	48.9	48.9	45.1	43.3	42.7	42.7	43	43.4	43.8	44.1	44.5	44.8	45	45.3
240	48.7	48.7	44.9	43.1	42.4	42.5	42.8	43.2	43.5	43.9	44.2	44.5	44.8	45
250	48.5	48.5	44.7	42.9	42.2	42.3	42.6	42.9	43.3	43.7	44	44.3	44.5	44.8
260	48.3	48.3	44.5	42.7	42	42.1	42.4	42.7	43.1	43.5	43.8	44	44.3	44.5
270	48.2	48.2	44.4	42.5	41.9	41.9	42.2	42.5	42.9	43.3	43.6	43.8	44.1	44.3
280	48	48	44.2	42.3	41.7	41.7	42	42.4	42.7	43.1	43.4	43.6	43.9	44.1
290	47.8	47.8	44	42.2	41.5	41.5	41.8	42.2	42.5	42.9	43.2	43.4	43.6	43.8
300	47.6	47.6	43.8	42	41.3	41.3	41.6	42	42.4	42.7	43	43.2	43.4	43.6

* 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	57.6	57.6	54	52.4	52	52.3	53	53.7	54.5	55.2	55.9	56.6	57.3	58
30	57	57	53.3	51.7	51.2	51.5	52	52.7	53.4	54.1	54.8	55.4	56.1	56.7
40	56	56	52.4	50.7	50.2	50.4	51	51.6	52.3	52.9	53.6	54.2	54.8	55.4
50	55.2	55.2	51.5	49.8	49.3	49.5	50	50.7	51.3	52	52.6	53.2	53.8	54.4
60	54.5	54.5	50.7	49	48.5	48.7	49.2	49.8	50.4	51	51.6	52.2	52.7	53.3
70	53.8	53.8	50.1	48.3	47.8	47.9	48.4	49	49.5	50.1	50.7	51.2	51.8	52.3
80	53.2	53.2	49.5	47.7	47.2	47.3	47.7	48.3	48.8	49.4	49.9	50.4	50.9	51.4
90	52.7	52.7	49	47.2	46.6	46.7	47.2	47.7	48.2	48.7	49.2	49.7	50.2	50.7
100	52.2	52.2	48.5	46.7	46.1	46.2	46.6	47.1	47.7	48.2	48.7	49.1	49.6	50
110	51.8	51.8	48	46.2	45.7	45.8	46.2	46.6	47.2	47.6	48.1	48.6	49	49.5
120	51.4	51.4	47.6	45.8	45.2	45.3	45.7	46.2	46.7	47.2	47.6	48.1	48.5	48.9
130	51	51	47.2	45.4	44.8	44.9	45.3	45.8	46.3	46.7	47.2	47.6	48	48.4
140	50.6	50.6	46.9	45.1	44.5	44.5	44.9	45.4	45.8	46.3	46.7	47.1	47.5	47.9
150	50.3	50.3	46.5	44.7	44.1	44.2	44.6	45	45.5	45.9	46.3	46.7	47.1	47.5
160	50	50	46.2	44.4	43.8	43.9	44.2	44.7	45.1	45.5	45.9	46.3	46.7	47.1
170	49.7	49.7	45.9	44.1	43.5	43.6	43.9	44.3	44.8	45.2	45.6	46	46.3	46.7
180	49.4	49.4	45.7	43.8	43.2	43.3	43.6	44	44.5	44.9	45.3	45.6	46	46.3
190	49.2	49.2	45.4	43.6	43	43	43.3	43.8	44.2	44.6	45	45.3	45.6	45.9
200	48.9	48.9	45.2	43.3	42.7	42.7	43.1	43.5	43.9	44.3	44.7	45	45.3	45.6
210	48.7	48.7	44.9	43.1	42.5	42.5	42.8	43.2	43.6	44	44.4	44.7	45	45.3
220	48.5	48.5	44.7	42.9	42.2	42.3	42.6	43	43.4	43.8	44.1	44.4	44.7	45
230	48.3	48.3	44.5	42.6	42	42	42.3	42.7	43.1	43.5	43.9	44.2	44.5	44.7
240	48.1	48.1	44.3	42.4	41.8	41.8	42.1	42.5	42.9	43.3	43.6	43.9	44.2	44.5
250	47.9	47.9	44.1	42.2	41.6	41.6	41.9	42.3	42.7	43.1	43.4	43.7	44	44.2
260	47.7	47.7	43.9	42	41.4	41.4	41.7	42.1	42.5	42.8	43.2	43.5	43.7	44
270	47.5	47.5	43.7	41.8	41.2	41.2	41.5	41.9	42.3	42.6	42.9	43.2	43.5	43.7
280	47.3	47.3	43.5	41.7	41	41	41.3	41.7	42.1	42.4	42.7	43	43.3	43.5
290	47.1	47.1	43.3	41.5	40.8	40.8	41.1	41.5	41.9	42.2	42.5	42.8	43.1	43.3
300	47	47	43.2	41.3	40.7	40.7	41	41.3	41.7	42	42.3	42.6	42.8	43.1

* 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	56.9	56.9	53.4	51.8	51.4	51.8	52.4	53.2	54	54.8	55.6	56.3	57	57.7
30	56.3	56.3	52.7	51	50.6	50.9	51.5	52.2	52.9	53.6	54.3	55	55.6	56.2
40	55.4	55.4	51.8	50.1	49.6	49.8	50.4	51	51.7	52.4	53	53.7	54.3	54.9
50	54.6	54.6	50.9	49.2	48.7	48.9	49.5	50.1	50.8	51.4	52.1	52.7	53.3	53.9
60	53.9	53.9	50.2	48.5	48	48.2	48.7	49.3	49.9	50.6	51.2	51.8	52.4	53
70	53.2	53.2	49.5	47.8	47.3	47.4	47.9	48.5	49.2	49.8	50.4	51	51.5	52.1
80	52.6	52.6	48.9	47.2	46.6	46.8	47.3	47.8	48.4	49	49.6	50.2	50.7	51.3
90	52.1	52.1	48.4	46.6	46.1	46.2	46.7	47.2	47.8	48.4	48.9	49.5	50	50.5
100	51.6	51.6	47.9	46.1	45.6	45.7	46.1	46.7	47.2	47.8	48.3	48.8	49.3	49.9
110	51.2	51.2	47.5	45.7	45.1	45.2	45.7	46.2	46.7	47.2	47.8	48.3	48.8	49.2
120	50.8	50.8	47.1	45.3	44.7	44.8	45.2	45.7	46.2	46.8	47.3	47.7	48.2	48.7
130	50.4	50.4	46.7	44.9	44.3	44.4	44.8	45.3	45.8	46.3	46.8	47.2	47.7	48.1
140	50.1	50.1	46.3	44.5	43.9	44	44.4	44.9	45.4	45.9	46.3	46.8	47.2	47.7
150	49.7	49.7	46	44.2	43.6	43.7	44	44.5	45	45.5	45.9	46.4	46.8	47.2
160	49.4	49.4	45.7	43.8	43.2	43.3	43.7	44.2	44.6	45.1	45.5	46	46.4	46.8
170	49.1	49.1	45.4	43.6	42.9	43	43.4	43.8	44.3	44.8	45.2	45.6	46	46.4
180	48.9	48.9	45.1	43.3	42.7	42.7	43.1	43.5	44	44.4	44.8	45.2	45.6	46
190	48.6	48.6	44.8	43	42.4	42.4	42.8	43.2	43.7	44.1	44.5	44.9	45.3	45.6
200	48.3	48.3	44.6	42.7	42.1	42.2	42.5	43	43.4	43.8	44.2	44.6	44.9	45.3
210	48.1	48.1	44.3	42.5	41.9	41.9	42.3	42.7	43.1	43.5	43.9	44.3	44.6	45
220	47.9	47.9	44.1	42.3	41.6	41.7	42	42.4	42.9	43.3	43.7	44	44.3	44.7
230	47.7	47.7	43.9	42	41.4	41.5	41.8	42.2	42.6	43	43.4	43.7	44.1	44.4
240	47.5	47.5	43.7	41.8	41.2	41.2	41.6	42	42.4	42.8	43.2	43.5	43.8	44.1
250	47.3	47.3	43.5	41.6	41	41	41.4	41.8	42.2	42.6	42.9	43.2	43.6	43.8
260	47.1	47.1	43.3	41.4	40.8	40.8	41.2	41.6	42	42.3	42.7	43	43.3	43.6
270	46.9	46.9	43.1	41.2	40.6	40.6	41	41.4	41.8	42.1	42.5	42.8	43.1	43.4
280	46.7	46.7	42.9	41.1	40.4	40.4	40.8	41.2	41.6	41.9	42.3	42.6	42.8	43.1
290	46.5	46.5	42.7	40.9	40.2	40.3	40.6	41	41.4	41.7	42.1	42.3	42.6	42.9
300	46.4	46.4	42.6	40.7	40.1	40.1	40.4	40.8	41.2	41.5	41.9	42.1	42.4	42.7

* 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	78	78	74.5	72.7	72	72.1	72.7	73.5	74.4	75.4	76.4	77.3	78.3	79.2
30	76.7	76.7	73.2	71.4	70.6	70.6	71.1	71.8	72.7	73.5	74.4	75.3	76.2	77.1
40	75.8	75.8	72.3	70.4	69.6	69.6	70	70.7	71.5	72.3	73.1	73.9	74.7	75.5
50	75	75	71.5	69.6	68.8	68.7	69.2	69.8	70.6	71.4	72.2	73	73.8	74.6
60	74.2	74.2	70.7	68.9	68.1	68	68.5	69.1	69.9	70.7	71.5	72.3	73.1	73.9
70	73.6	73.6	70.1	68.3	67.5	67.5	67.9	68.6	69.4	70.2	71	71.8	72.7	73.5
80	73.1	73.1	69.6	67.7	66.9	66.9	67.4	68.1	68.9	69.7	70.6	71.4	72.2	73
90	72.5	72.5	69	67.2	66.4	66.4	66.9	67.6	68.4	69.3	70.1	71	71.8	72.7
100	72	72	68.6	66.7	66	66	66.4	67.2	68	68.9	69.7	70.6	71.4	72.3
110	71.6	71.6	68.1	66.3	65.5	65.5	66	66.8	67.6	68.5	69.3	70.2	71.1	71.9
120	71.2	71.2	67.7	65.9	65.1	65.1	65.6	66.4	67.2	68.1	69	69.9	70.7	71.6
130	70.8	70.8	67.3	65.5	64.8	64.8	65.3	66	66.8	67.7	68.6	69.5	70.4	71.3
140	70.5	70.5	67	65.2	64.4	64.4	64.9	65.7	66.5	67.4	68.3	69.2	70.1	70.9
150	70.1	70.1	66.6	64.8	64.1	64.1	64.6	65.3	66.2	67.1	68	68.9	69.8	70.6
160	69.8	69.8	66.3	64.5	63.7	63.8	64.3	65	65.9	66.8	67.7	68.6	69.5	70.3
170	69.5	69.5	66	64.2	63.4	63.5	64	64.7	65.6	66.5	67.4	68.3	69.2	70
180	69.2	69.2	65.7	63.9	63.1	63.2	63.7	64.4	65.3	66.2	67.1	68	68.9	69.8
190	68.9	68.9	65.5	63.6	62.9	62.9	63.4	64.1	65	65.9	66.8	67.7	68.6	69.5
200	68.7	68.7	65.2	63.4	62.6	62.6	63.1	63.9	64.7	65.6	66.5	67.4	68.3	69.2
210	68.4	68.4	64.9	63.1	62.4	62.4	62.9	63.6	64.5	65.4	66.3	67.2	68.1	69
220	68.2	68.2	64.7	62.9	62.1	62.1	62.6	63.4	64.2	65.1	66	66.9	67.8	68.7
230	68	68	64.5	62.6	61.9	61.9	62.4	63.1	64	64.9	65.8	66.7	67.6	68.5
240	67.7	67.7	64.3	62.4	61.7	61.7	62.2	62.9	63.8	64.7	65.6	66.5	67.4	68.2
250	67.5	67.5	64	62.2	61.5	61.5	62	62.7	63.5	64.4	65.3	66.2	67.1	68
260	67.3	67.3	63.8	62	61.2	61.3	61.7	62.5	63.3	64.2	65.1	66	66.9	67.8
270	67.1	67.1	63.6	61.8	61	61.1	61.5	62.3	63.1	64	64.9	65.8	66.7	67.6
280	66.9	66.9	63.4	61.6	60.8	60.9	61.3	62.1	62.9	63.8	64.7	65.6	66.5	67.3
290	66.8	66.8	63.3	61.4	60.7	60.7	61.1	61.9	62.7	63.6	64.5	65.4	66.3	67.1
300	66.6	66.6	63.1	61.2	60.5	60.5	61	61.7	62.5	63.4	64.3	65.2	66.1	66.9

* 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	71.9	71.9	68.3	66.4	65.6	65.5	66	66.7	67.5	68.3	69.2	70.1	71	71.9
30	71.6	71.6	68	66.1	65.3	65.3	65.7	66.4	67.3	68.1	69	69.9	70.8	71.7
40	75.6	75.6	72.1	70.2	69.4	69.4	69.8	70.5	71.2	72	72.8	73.7	74.5	75.3
50	74.8	74.8	71.3	69.4	68.6	68.5	68.9	69.6	70.3	71.1	71.9	72.7	73.5	74.2
60	74	74	70.5	68.7	67.9	67.8	68.2	68.9	69.6	70.4	71.2	72	72.8	73.5
70	73.4	73.4	69.9	68.1	67.3	67.2	67.7	68.3	69.1	69.9	70.7	71.5	72.3	73.1
80	72.9	72.9	69.4	67.5	66.7	66.7	67.2	67.8	68.6	69.4	70.3	71.1	71.9	72.7
90	72.4	72.4	68.9	67	66.2	66.2	66.7	67.4	68.2	69	69.8	70.7	71.5	72.3
100	71.9	71.9	68.4	66.5	65.8	65.7	66.2	66.9	67.7	68.6	69.4	70.3	71.1	71.9
110	71.4	71.4	68	66.1	65.3	65.3	65.8	66.5	67.3	68.2	69	69.9	70.8	71.6
120	71	71	67.5	65.7	64.9	64.9	65.4	66.1	67	67.8	68.7	69.6	70.4	71.3
130	70.7	70.7	67.2	65.3	64.6	64.6	65	65.8	66.6	67.5	68.3	69.2	70.1	70.9
140	70.3	70.3	66.8	65	64.2	64.2	64.7	65.4	66.3	67.1	68	68.9	69.8	70.6
150	69.9	69.9	66.5	64.6	63.9	63.9	64.4	65.1	65.9	66.8	67.7	68.6	69.5	70.3
160	69.6	69.6	66.1	64.3	63.5	63.6	64	64.8	65.6	66.5	67.4	68.3	69.2	70
170	69.3	69.3	65.8	64	63.2	63.3	63.7	64.5	65.3	66.2	67.1	68	68.9	69.7
180	69	69	65.5	63.7	63	63	63.5	64.2	65	65.9	66.8	67.7	68.6	69.5
190	68.8	68.8	65.3	63.4	62.7	62.7	63.2	63.9	64.8	65.6	66.5	67.4	68.3	69.2
200	68.5	68.5	65	63.2	62.4	62.4	62.9	63.7	64.5	65.4	66.3	67.2	68.1	68.9
210	68.3	68.3	64.8	62.9	62.2	62.2	62.7	63.4	64.2	65.1	66	66.9	67.8	68.7
220	68	68	64.5	62.7	61.9	61.9	62.4	63.2	64	64.9	65.8	66.7	67.5	68.4
230	67.8	67.8	64.3	62.5	61.7	61.7	62.2	62.9	63.8	64.6	65.5	66.4	67.3	68.2
240	67.6	67.6	64.1	62.2	61.5	61.5	62	62.7	63.5	64.4	65.3	66.2	67.1	67.9
250	67.4	67.4	63.9	62	61.3	61.3	61.7	62.5	63.3	64.2	65.1	66	66.8	67.7
260	67.2	67.2	63.7	61.8	61.1	61.1	61.5	62.3	63.1	64	64.9	65.7	66.6	67.5
270	67	67	63.5	61.6	60.8	60.9	61.3	62.1	62.9	63.8	64.6	65.5	66.4	67.3
280	66.8	66.8	63.3	61.4	60.7	60.7	61.1	61.9	62.7	63.6	64.4	65.3	66.2	67.1
290	66.6	66.6	63.1	61.2	60.5	60.5	60.9	61.7	62.5	63.4	64.2	65.1	66	66.9
300	66.4	66.4	62.9	61.1	60.3	60.3	60.8	61.5	62.3	63.2	64	64.9	65.8	66.7

* 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	70.1	70.1	66.4	64.4	63.5	63.3	63.6	64.2	64.8	65.6	66.3	67.1	67.8	68.6
30	68.9	68.9	65.3	63.3	62.4	62.3	62.6	63.2	64	64.7	65.5	66.4	67.2	68
40	68.7	68.7	65	63.1	62.1	62	62.3	62.9	63.6	64.3	65.1	65.9	66.6	67.4
50	68.4	68.4	64.7	62.8	61.8	61.7	62	62.5	63.2	63.9	64.6	65.3	66	66.7
60	68	68	64.4	62.4	61.5	61.3	61.7	62.2	62.8	63.5	64.2	64.9	65.6	66.3
70	67.6	67.6	64	62.1	61.2	61	61.3	61.9	62.5	63.2	63.9	64.6	65.3	66
80	67.3	67.3	63.7	61.7	60.8	60.7	61	61.6	62.3	63	63.7	64.4	65.1	65.8
90	66.9	66.9	63.3	61.4	60.5	60.4	60.7	61.3	62	62.7	63.4	64.2	64.9	65.6
100	66.5	66.5	63	61	60.1	60	60.4	61	61.7	62.4	63.2	63.9	64.6	65.4
110	66.2	66.2	62.6	60.7	59.8	59.7	60.1	60.7	61.4	62.1	62.9	63.7	64.4	65.2
120	65.9	65.9	62.3	60.4	59.5	59.4	59.8	60.4	61.1	61.9	62.6	63.4	64.2	64.9
130	65.6	65.6	62	60.1	59.2	59.1	59.5	60.1	60.8	61.6	62.4	63.2	63.9	64.7
140	65.3	65.3	61.7	59.8	58.9	58.8	59.2	59.8	60.6	61.3	62.1	62.9	63.7	64.5
150	65	65	61.4	59.5	58.7	58.6	59	59.6	60.3	61.1	61.9	62.7	63.5	64.2
160	64.7	64.7	61.2	59.2	58.4	58.3	58.7	59.3	60.1	60.8	61.6	62.4	63.2	64
170	64.5	64.5	60.9	59	58.1	58	58.4	59.1	59.8	60.6	61.4	62.2	63	63.8
180	64.2	64.2	60.6	58.7	57.9	57.8	58.2	58.8	59.6	60.4	61.2	62	62.7	63.5
190	64	64	60.4	58.5	57.6	57.6	58	58.6	59.3	60.1	60.9	61.7	62.5	63.3
200	63.7	63.7	60.2	58.3	57.4	57.3	57.7	58.4	59.1	59.9	60.7	61.5	62.3	63.1
210	63.5	63.5	60	58	57.2	57.1	57.5	58.2	58.9	59.7	60.5	61.3	62.1	62.9
220	63.3	63.3	59.7	57.8	57	56.9	57.3	57.9	58.7	59.5	60.3	61.1	61.9	62.7
230	63.1	63.1	59.5	57.6	56.8	56.7	57.1	57.7	58.5	59.2	60	60.8	61.6	62.4
240	62.9	62.9	59.3	57.4	56.6	56.5	56.9	57.5	58.3	59	59.8	60.6	61.4	62.2
250	62.7	62.7	59.1	57.2	56.4	56.3	56.7	57.3	58.1	58.8	59.6	60.4	61.2	62
260	62.5	62.5	59	57	56.2	56.1	56.5	57.1	57.9	58.6	59.4	60.2	61	61.8
270	62.3	62.3	58.8	56.9	56	55.9	56.3	56.9	57.7	58.5	59.3	60	60.8	61.6
280	62.2	62.2	58.6	56.7	55.8	55.7	56.1	56.8	57.5	58.3	59.1	59.9	60.6	61.4
290	62	62	58.4	56.5	55.6	55.6	55.9	56.6	57.3	58.1	58.9	59.7	60.5	61.2
300	61.8	61.8	58.3	56.3	55.5	55.4	55.8	56.4	57.1	57.9	58.7	59.5	60.3	61.1

* 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	68.7	68.7	65	63	62	61.8	62.1	62.6	63.2	63.9	64.6	65.3	66	66.7
30	67.2	67.2	63.6	61.6	60.6	60.4	60.7	61.3	62	62.7	63.5	64.2	65	65.8
40	66.8	66.8	63.1	61.1	60.1	59.9	60.2	60.7	61.3	62	62.7	63.4	64.2	64.9
50	66.4	66.4	62.8	60.7	59.8	59.6	59.8	60.3	60.9	61.6	62.3	63	63.7	64.4
60	66	66	62.4	60.4	59.4	59.2	59.5	60	60.5	61.2	61.8	62.5	63.1	63.8
70	65.7	65.7	62	60	59	58.8	59.1	59.6	60.2	60.8	61.4	62.1	62.7	63.3
80	65.3	65.3	61.6	59.6	58.7	58.5	58.7	59.2	59.8	60.4	61.1	61.7	62.4	63
90	64.9	64.9	61.2	59.2	58.3	58.1	58.4	58.9	59.5	60.1	60.8	61.4	62.1	62.7
100	64.5	64.5	60.9	58.9	58	57.8	58.1	58.6	59.2	59.8	60.5	61.1	61.8	62.5
110	64.2	64.2	60.5	58.6	57.6	57.4	57.7	58.3	58.9	59.5	60.2	60.9	61.5	62.2
120	63.8	63.8	60.2	58.2	57.3	57.1	57.4	58	58.6	59.2	59.9	60.6	61.3	62
130	63.5	63.5	59.9	57.9	57	56.8	57.1	57.7	58.3	59	59.7	60.3	61	61.7
140	63.2	63.2	59.6	57.6	56.7	56.5	56.8	57.4	58	58.7	59.4	60.1	60.8	61.5
150	62.9	62.9	59.3	57.4	56.4	56.3	56.6	57.1	57.8	58.4	59.1	59.8	60.5	61.2
160	62.7	62.7	59.1	57.1	56.2	56	56.3	56.8	57.5	58.2	58.9	59.6	60.3	61
170	62.4	62.4	58.8	56.8	55.9	55.7	56	56.6	57.2	57.9	58.6	59.3	60	60.7
180	62.2	62.2	58.5	56.6	55.6	55.5	55.8	56.3	57	57.7	58.4	59.1	59.8	60.5
190	61.9	61.9	58.3	56.3	55.4	55.2	55.6	56.1	56.7	57.4	58.1	58.8	59.5	60.2
200	61.7	61.7	58.1	56.1	55.2	55	55.3	55.9	56.5	57.2	57.9	58.6	59.3	60
210	61.5	61.5	57.8	55.9	54.9	54.8	55.1	55.6	56.3	57	57.7	58.4	59.1	59.8
220	61.2	61.2	57.6	55.6	54.7	54.6	54.9	55.4	56.1	56.7	57.4	58.1	58.8	59.5
230	61	61	57.4	55.4	54.5	54.4	54.7	55.2	55.8	56.5	57.2	57.9	58.6	59.3
240	60.8	60.8	57.2	55.2	54.3	54.1	54.4	55	55.6	56.3	57	57.7	58.4	59.1
250	60.6	60.6	57	55	54.1	53.9	54.2	54.8	55.4	56.1	56.8	57.5	58.2	58.9
260	60.4	60.4	56.8	54.8	53.9	53.7	54.1	54.6	55.2	55.9	56.6	57.3	58	58.7
270	60.3	60.3	56.6	54.7	53.7	53.6	53.9	54.4	55	55.7	56.4	57.1	57.8	58.5
280	60.1	60.1	56.5	54.5	53.5	53.4	53.7	54.2	54.8	55.5	56.2	56.9	57.6	58.3
290	59.9	59.9	56.3	54.3	53.4	53.2	53.5	54	54.7	55.3	56	56.7	57.4	58.1
300	59.7	59.7	56.1	54.1	53.2	53	53.3	53.8	54.5	55.1	55.8	56.5	57.2	57.9

* 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	67.3	67.3	63.6	61.6	60.6	60.4	60.6	61.1	61.7	62.3	63	63.6	64.3	65
30	66.1	66.1	62.4	60.4	59.4	59.2	59.5	60	60.6	61.2	61.9	62.6	63.3	64
40	65.4	65.4	61.7	59.6	58.6	58.4	58.7	59.1	59.8	60.4	61.1	61.8	62.5	63.2
50	64.9	64.9	61.2	59.1	58.1	57.9	58.1	58.5	59.1	59.7	60.3	61	61.6	62.3
60	64.4	64.4	60.7	58.7	57.7	57.4	57.6	58.1	58.6	59.2	59.8	60.4	61.1	61.7
70	64	64	60.3	58.3	57.3	57	57.3	57.7	58.3	58.8	59.4	60	60.6	61.2
80	63.6	63.6	59.9	57.9	56.9	56.7	56.9	57.3	57.9	58.5	59.1	59.7	60.3	60.9
90	63.2	63.2	59.5	57.5	56.5	56.3	56.5	57	57.6	58.1	58.7	59.3	59.9	60.5
100	62.8	62.8	59.2	57.1	56.2	55.9	56.2	56.7	57.2	57.8	58.4	59	59.6	60.2
110	62.5	62.5	58.8	56.8	55.8	55.6	55.9	56.3	56.9	57.5	58.1	58.7	59.4	60
120	62.1	62.1	58.5	56.5	55.5	55.3	55.5	56	56.6	57.2	57.8	58.5	59.1	59.7
130	61.8	61.8	58.1	56.1	55.2	55	55.2	55.7	56.3	56.9	57.6	58.2	58.8	59.4
140	61.5	61.5	57.8	55.8	54.9	54.7	54.9	55.4	56	56.6	57.3	57.9	58.5	59.2
150	61.2	61.2	57.5	55.5	54.6	54.4	54.7	55.1	55.7	56.4	57	57.6	58.3	58.9
160	60.9	60.9	57.3	55.3	54.3	54.1	54.4	54.9	55.5	56.1	56.7	57.4	58	58.7
170	60.6	60.6	57	55	54	53.8	54.1	54.6	55.2	55.9	56.5	57.1	57.8	58.4
180	60.4	60.4	56.7	54.7	53.8	53.6	53.9	54.4	55	55.6	56.2	56.9	57.5	58.2
190	60.1	60.1	56.5	54.5	53.5	53.3	53.6	54.1	54.7	55.4	56	56.7	57.3	58
200	59.9	59.9	56.3	54.3	53.3	53.1	53.4	53.9	54.5	55.1	55.8	56.4	57.1	57.7
210	59.7	59.7	56	54	53.1	52.9	53.1	53.6	54.3	54.9	55.5	56.2	56.8	57.5
220	59.5	59.5	55.8	53.8	52.8	52.7	52.9	53.4	54	54.7	55.3	56	56.6	57.3
230	59.2	59.2	55.6	53.6	52.6	52.4	52.7	53.2	53.8	54.4	55.1	55.7	56.4	57
240	59	59	55.4	53.4	52.4	52.2	52.5	53	53.6	54.2	54.9	55.5	56.2	56.8
250	58.8	58.8	55.2	53.2	52.2	52	52.3	52.8	53.4	54	54.7	55.3	56	56.6
260	58.6	58.6	55	53	52	51.8	52.1	52.6	53.2	53.8	54.5	55.1	55.8	56.4
270	58.5	58.5	54.8	52.8	51.8	51.6	51.9	52.4	53	53.6	54.3	54.9	55.5	56.2
280	58.3	58.3	54.6	52.6	51.7	51.5	51.7	52.2	52.8	53.4	54.1	54.7	55.3	56
290	58.1	58.1	54.4	52.4	51.5	51.3	51.5	52	52.6	53.2	53.9	54.5	55.2	55.8
300	57.9	57.9	54.3	52.3	51.3	51.1	51.4	51.8	52.4	53.1	53.7	54.3	55	55.6

* 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	66.5	66.5	62.8	60.7	59.7	59.5	59.7	60.1	60.7	61.3	62	62.6	63.3	64
30	65.3	65.3	61.6	59.5	58.5	58.2	58.5	58.9	59.4	60	60.6	61.2	61.9	62.5
40	64.4	64.4	60.7	58.6	57.6	57.3	57.5	58	58.5	59.1	59.8	60.4	61.1	61.7
50	63.8	63.8	60.1	58	57	56.7	56.9	57.3	57.9	58.5	59	59.7	60.3	60.9
60	63.4	63.4	59.7	57.6	56.6	56.3	56.4	56.9	57.4	57.9	58.5	59	59.6	60.2
70	63	63	59.3	57.2	56.1	55.8	56	56.4	56.9	57.4	58	58.5	59	59.6
80	62.6	62.6	58.8	56.8	55.7	55.5	55.6	56	56.5	57	57.5	58.1	58.6	59.1
90	62.2	62.2	58.5	56.4	55.4	55.1	55.3	55.7	56.1	56.7	57.2	57.7	58.2	58.7
100	61.8	61.8	58.1	56	55	54.7	54.9	55.3	55.8	56.3	56.8	57.4	57.9	58.4
110	61.4	61.4	57.7	55.7	54.7	54.4	54.6	55	55.5	56	56.5	57.1	57.6	58.1
120	61.1	61.1	57.4	55.3	54.3	54.1	54.2	54.7	55.2	55.7	56.2	56.8	57.3	57.8
130	60.8	60.8	57.1	55	54	53.8	53.9	54.4	54.9	55.4	55.9	56.5	57	57.6
140	60.5	60.5	56.8	54.7	53.7	53.5	53.6	54.1	54.6	55.1	55.7	56.2	56.8	57.3
150	60.2	60.2	56.5	54.4	53.4	53.2	53.4	53.8	54.3	54.9	55.4	56	56.5	57.1
160	59.9	59.9	56.2	54.2	53.2	52.9	53.1	53.5	54	54.6	55.2	55.7	56.3	56.8
170	59.6	59.6	55.9	53.9	52.9	52.6	52.8	53.3	53.8	54.3	54.9	55.5	56	56.6
180	59.4	59.4	55.7	53.6	52.6	52.4	52.6	53	53.5	54.1	54.7	55.2	55.8	56.4
190	59.1	59.1	55.4	53.4	52.4	52.1	52.3	52.8	53.3	53.9	54.4	55	55.6	56.1
200	58.9	58.9	55.2	53.2	52.2	51.9	52.1	52.6	53.1	53.6	54.2	54.8	55.3	55.9
210	58.7	58.7	55	52.9	51.9	51.7	51.9	52.3	52.9	53.4	54	54.6	55.1	55.7
220	58.4	58.4	54.8	52.7	51.7	51.5	51.7	52.1	52.6	53.2	53.8	54.3	54.9	55.5
230	58.2	58.2	54.5	52.5	51.5	51.2	51.5	51.9	52.4	53	53.6	54.1	54.7	55.3
240	58	58	54.3	52.3	51.3	51	51.3	51.7	52.2	52.8	53.4	53.9	54.5	55.1
250	57.8	57.8	54.1	52.1	51.1	50.8	51.1	51.5	52	52.6	53.2	53.7	54.3	54.9
260	57.6	57.6	54	51.9	50.9	50.7	50.9	51.3	51.8	52.4	53	53.5	54.1	54.7
270	57.5	57.5	53.8	51.7	50.7	50.5	50.7	51.1	51.6	52.2	52.8	53.4	53.9	54.5
280	57.3	57.3	53.6	51.5	50.5	50.3	50.5	50.9	51.5	52	52.6	53.2	53.8	54.3
290	57.1	57.1	53.4	51.4	50.4	50.1	50.3	50.8	51.3	51.9	52.4	53	53.6	54.2
300	56.9	56.9	53.2	51.2	50.2	49.9	50.1	50.6	51.1	51.7	52.2	52.8	53.4	54

* 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	65.7	65.7	62	59.9	58.9	58.6	58.8	59.2	59.7	60.3	60.9	61.5	62.2	62.8
30	64.9	64.9	61.2	59.1	58.1	57.8	58	58.4	58.9	59.5	60	60.6	61.1	61.7
40	63.7	63.7	60	57.9	56.9	56.6	56.8	57.2	57.8	58.3	58.9	59.5	60.1	60.8
50	63	63	59.3	57.2	56.2	55.9	56	56.4	57	57.5	58.1	58.6	59.2	59.8
60	62.5	62.5	58.8	56.7	55.7	55.4	55.5	55.9	56.4	56.9	57.5	58	58.6	59.2
70	62.1	62.1	58.4	56.3	55.3	55	55.1	55.5	56	56.5	57	57.5	58.1	58.6
80	61.7	61.7	58	55.9	54.9	54.6	54.7	55.1	55.6	56.1	56.6	57.1	57.6	58.1
90	61.3	61.3	57.6	55.5	54.5	54.2	54.4	54.7	55.2	55.7	56.2	56.7	57.2	57.7
100	61	61	57.3	55.2	54.1	53.9	54	54.4	54.9	55.3	55.8	56.3	56.8	57.3
110	60.6	60.6	56.9	54.8	53.8	53.5	53.7	54.1	54.5	55	55.5	56	56.5	57
120	60.3	60.3	56.6	54.5	53.5	53.2	53.4	53.7	54.2	54.7	55.2	55.7	56.2	56.7
130	60	60	56.3	54.2	53.2	52.9	53.1	53.4	53.9	54.4	54.9	55.4	55.9	56.5
140	59.7	59.7	56	53.9	52.9	52.6	52.8	53.2	53.6	54.2	54.7	55.2	55.7	56.2
150	59.4	59.4	55.7	53.6	52.6	52.3	52.5	52.9	53.4	53.9	54.4	54.9	55.4	56
160	59.1	59.1	55.4	53.3	52.3	52	52.2	52.6	53.1	53.6	54.2	54.7	55.2	55.7
170	58.8	58.8	55.1	53.1	52	51.8	52	52.4	52.9	53.4	53.9	54.4	55	55.5
180	58.6	58.6	54.9	52.8	51.8	51.5	51.7	52.1	52.6	53.1	53.7	54.2	54.7	55.3
190	58.3	58.3	54.6	52.6	51.5	51.3	51.5	51.9	52.4	52.9	53.4	54	54.5	55.1
200	58.1	58.1	54.4	52.3	51.3	51	51.2	51.6	52.1	52.7	53.2	53.8	54.3	54.8
210	57.9	57.9	54.2	52.1	51.1	50.8	51	51.4	51.9	52.5	53	53.5	54.1	54.6
220	57.6	57.6	53.9	51.9	50.8	50.6	50.8	51.2	51.7	52.2	52.8	53.3	53.9	54.4
230	57.4	57.4	53.7	51.7	50.6	50.4	50.6	51	51.5	52	52.6	53.1	53.6	54.2
240	57.2	57.2	53.5	51.4	50.4	50.2	50.3	50.8	51.3	51.8	52.3	52.9	53.4	54
250	57	57	53.3	51.2	50.2	50	50.1	50.6	51.1	51.6	52.1	52.7	53.2	53.8
260	56.8	56.8	53.1	51	50	49.8	49.9	50.4	50.9	51.4	51.9	52.5	53	53.6
270	56.6	56.6	52.9	50.9	49.8	49.6	49.7	50.2	50.7	51.2	51.7	52.3	52.8	53.4
280	56.4	56.4	52.7	50.7	49.6	49.4	49.6	50	50.5	51	51.5	52.1	52.6	53.2
290	56.3	56.3	52.6	50.5	49.5	49.2	49.4	49.8	50.3	50.8	51.4	51.9	52.4	53
300	56.1	56.1	52.4	50.3	49.3	49	49.2	49.6	50.1	50.6	51.2	51.7	52.2	52.8

* 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	64.9	64.9	61.2	59.1	58.1	57.8	58	58.4	58.9	59.4	60	60.6	61.2	61.8
30	64.2	64.2	60.5	58.4	57.3	57.1	57.2	57.6	58.1	58.6	59.2	59.8	60.3	60.9
40	63.1	63.1	59.4	57.3	56.3	56	56.1	56.5	57	57.6	58.1	58.7	59.3	59.9
50	62.4	62.4	58.7	56.6	55.5	55.2	55.3	55.7	56.2	56.7	57.2	57.7	58.3	58.9
60	61.8	61.8	58.1	56	54.9	54.6	54.7	55.1	55.6	56.1	56.6	57.1	57.6	58.2
70	61.4	61.4	57.6	55.5	54.4	54.1	54.3	54.6	55.1	55.6	56.1	56.6	57.1	57.6
80	60.9	60.9	57.2	55.1	54	53.7	53.8	54.2	54.6	55.1	55.6	56.1	56.6	57.1
90	60.5	60.5	56.8	54.6	53.6	53.3	53.4	53.7	54.2	54.7	55.1	55.6	56.1	56.6
100	60.1	60.1	56.4	54.3	53.2	52.9	53	53.3	53.8	54.3	54.7	55.2	55.7	56.1
110	59.7	59.7	56	53.9	52.8	52.5	52.6	53	53.4	53.9	54.3	54.8	55.3	55.7
120	59.4	59.4	55.6	53.5	52.5	52.1	52.3	52.6	53.1	53.5	54	54.5	54.9	55.4
130	59	59	55.3	53.2	52.1	51.8	52	52.3	52.8	53.2	53.7	54.1	54.6	55.1
140	58.7	58.7	55	52.9	51.8	51.5	51.6	52	52.5	52.9	53.4	53.9	54.3	54.8
150	58.4	58.4	54.7	52.6	51.5	51.2	51.4	51.7	52.2	52.6	53.1	53.6	54	54.5
160	58.1	58.1	54.4	52.3	51.2	50.9	51.1	51.4	51.9	52.4	52.8	53.3	53.8	54.3
170	57.8	57.8	54.1	52	51	50.7	50.8	51.2	51.6	52.1	52.6	53.1	53.5	54
180	57.6	57.6	53.8	51.7	50.7	50.4	50.5	50.9	51.4	51.9	52.3	52.8	53.3	53.8
190	57.3	57.3	53.6	51.5	50.4	50.1	50.3	50.7	51.1	51.6	52.1	52.6	53.1	53.6
200	57.1	57.1	53.3	51.2	50.2	49.9	50	50.4	50.9	51.4	51.9	52.4	52.9	53.4
210	56.8	56.8	53.1	51	50	49.7	49.8	50.2	50.7	51.1	51.6	52.1	52.6	53.1
220	56.6	56.6	52.9	50.8	49.7	49.4	49.6	50	50.4	50.9	51.4	51.9	52.4	52.9
230	56.4	56.4	52.6	50.6	49.5	49.2	49.4	49.7	50.2	50.7	51.2	51.7	52.2	52.7
240	56.2	56.2	52.4	50.3	49.3	49	49.2	49.5	50	50.5	51	51.5	52	52.5
250	55.9	55.9	52.2	50.1	49.1	48.8	48.9	49.3	49.8	50.3	50.8	51.3	51.8	52.3
260	55.7	55.7	52	49.9	48.9	48.6	48.7	49.1	49.6	50.1	50.6	51.1	51.6	52.2
270	55.6	55.6	51.8	49.7	48.7	48.4	48.6	48.9	49.4	49.9	50.4	50.9	51.4	52
280	55.4	55.4	51.6	49.6	48.5	48.2	48.4	48.8	49.2	49.7	50.2	50.8	51.3	51.8
290	55.2	55.2	51.5	49.4	48.3	48	48.2	48.6	49	49.5	50.1	50.6	51.1	51.6
300	55	55	51.3	49.2	48.1	47.8	48	48.4	48.9	49.4	49.9	50.4	50.9	51.4

* 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	64.3	64.3	60.6	58.5	57.4	57.1	57.3	57.7	58.2	58.8	59.3	59.9	60.5	61.1
30	63.6	63.6	59.9	57.8	56.7	56.4	56.5	56.9	57.3	57.8	58.3	58.8	59.3	59.9
40	62.6	62.6	58.9	56.8	55.7	55.4	55.5	55.9	56.4	56.8	57.4	57.9	58.4	59
50	61.9	61.9	58.2	56	55	54.6	54.8	55.1	55.6	56.1	56.6	57.2	57.7	58.2
60	61.3	61.3	57.6	55.4	54.4	54	54.2	54.5	55	55.5	56	56.5	57	57.6
70	60.8	60.8	57	54.9	53.8	53.5	53.6	54	54.4	54.9	55.3	55.8	56.3	56.9
80	60.3	60.3	56.6	54.4	53.3	53	53.1	53.4	53.9	54.3	54.8	55.2	55.7	56.2
90	59.9	59.9	56.1	54	52.9	52.6	52.7	53	53.4	53.8	54.3	54.7	55.2	55.6
100	59.5	59.5	55.7	53.6	52.5	52.2	52.3	52.6	53	53.4	53.8	54.3	54.7	55.1
110	59.1	59.1	55.3	53.2	52.1	51.8	51.9	52.2	52.6	53	53.5	53.9	54.3	54.7
120	58.7	58.7	55	52.9	51.8	51.4	51.5	51.9	52.3	52.7	53.1	53.5	54	54.4
130	58.4	58.4	54.6	52.5	51.4	51.1	51.2	51.5	51.9	52.4	52.8	53.2	53.7	54.1
140	58.1	58.1	54.3	52.2	51.1	50.8	50.9	51.2	51.6	52.1	52.5	52.9	53.4	53.8
150	57.7	57.7	54	51.9	50.8	50.5	50.6	50.9	51.3	51.8	52.2	52.7	53.1	53.6
160	57.4	57.4	53.7	51.6	50.5	50.2	50.3	50.6	51.1	51.5	52	52.4	52.9	53.3
170	57.2	57.2	53.4	51.3	50.2	49.9	50	50.4	50.8	51.3	51.7	52.2	52.6	53.1
180	56.9	56.9	53.2	51	50	49.6	49.8	50.1	50.6	51	51.5	51.9	52.4	52.9
190	56.6	56.6	52.9	50.8	49.7	49.4	49.5	49.9	50.3	50.8	51.2	51.7	52.2	52.6
200	56.4	56.4	52.6	50.5	49.5	49.1	49.3	49.6	50.1	50.5	51	51.5	51.9	52.4
210	56.1	56.1	52.4	50.3	49.2	48.9	49	49.4	49.8	50.3	50.8	51.3	51.7	52.2
220	55.9	55.9	52.2	50.1	49	48.7	48.8	49.2	49.6	50.1	50.6	51	51.5	52
230	55.7	55.7	51.9	49.8	48.8	48.4	48.6	48.9	49.4	49.9	50.3	50.8	51.3	51.8
240	55.5	55.5	51.7	49.6	48.5	48.2	48.4	48.7	49.2	49.6	50.1	50.6	51.1	51.6
250	55.2	55.2	51.5	49.4	48.3	48	48.2	48.5	49	49.4	49.9	50.4	50.9	51.4
260	55	55	51.3	49.2	48.1	47.8	47.9	48.3	48.8	49.2	49.7	50.2	50.7	51.2
270	54.8	54.8	51.1	49	47.9	47.6	47.7	48.1	48.6	49	49.5	50	50.5	51
280	54.7	54.7	50.9	48.8	47.7	47.4	47.6	47.9	48.4	48.8	49.3	49.8	50.3	50.8
290	54.5	54.5	50.7	48.6	47.5	47.2	47.4	47.7	48.2	48.6	49.1	49.6	50.1	50.6
300	54.3	54.3	50.5	48.4	47.4	47	47.2	47.5	48	48.5	48.9	49.4	49.9	50.4

* 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	76	76	72.6	70.8	70.1	70.3	70.9	71.7	72.7	73.8	74.8	75.8	76.8	77.8
30	74.3	74.3	70.8	69	68.3	68.3	68.9	69.7	70.7	71.6	72.6	73.6	74.6	75.6
40	73.1	73.1	69.6	67.8	67	67	67.5	68.3	69.2	70.2	71.2	72.1	73.1	74.1
50	72	72	68.5	66.7	65.9	65.9	66.4	67.1	68	69	69.9	70.9	71.8	72.8
60	71.1	71.1	67.6	65.7	64.9	64.9	65.4	66.1	67	67.9	68.8	69.8	70.7	71.6
70	70.2	70.2	66.7	64.8	64	64	64.4	65.2	66	66.9	67.8	68.7	69.6	70.5
80	69.4	69.4	65.9	64	63.2	63.1	63.6	64.3	65.1	66	66.9	67.8	68.7	69.6
90	68.7	68.7	65.2	63.3	62.4	62.4	62.8	63.5	64.3	65.2	66.1	66.9	67.8	68.7
100	68.1	68.1	64.6	62.6	61.8	61.7	62.2	62.8	63.6	64.4	65.3	66.1	67	67.8
110	67.5	67.5	64	62.1	61.2	61.1	61.5	62.2	62.9	63.7	64.5	65.4	66.2	67
120	67	67	63.4	61.5	60.6	60.5	60.9	61.5	62.3	63.1	63.9	64.6	65.4	66.2
130	66.5	66.5	62.9	61	60.1	60	60.4	61	61.7	62.4	63.2	64	64.7	65.5
140	66.1	66.1	62.5	60.5	59.6	59.5	59.8	60.4	61.1	61.8	62.6	63.3	64.1	64.8
150	65.7	65.7	62.1	60.1	59.2	59	59.3	59.9	60.6	61.3	62	62.7	63.4	64.1
160	65.3	65.3	61.7	59.7	58.7	58.6	58.9	59.4	60	60.7	61.4	62.1	62.8	63.5
170	64.9	64.9	61.3	59.3	58.3	58.1	58.4	58.9	59.5	60.2	60.9	61.5	62.2	62.9
180	64.6	64.6	60.9	58.9	57.9	57.7	58	58.4	59	59.7	60.3	61	61.6	62.3
190	64.2	64.2	60.5	58.5	57.5	57.3	57.5	58	58.6	59.2	59.8	60.4	61.1	61.7
200	63.8	63.8	60.2	58.1	57.1	56.9	57.1	57.5	58.1	58.7	59.3	59.9	60.5	61.1
210	63.5	63.5	59.8	57.7	56.7	56.5	56.7	57.1	57.6	58.2	58.8	59.4	60	60.6
220	63.2	63.2	59.5	57.4	56.3	56.1	56.3	56.7	57.2	57.8	58.3	58.9	59.5	60.1
230	62.8	62.8	59.1	57	56	55.7	55.9	56.3	56.8	57.3	57.9	58.4	59	59.5
240	62.5	62.5	58.8	56.7	55.6	55.3	55.5	55.9	56.4	56.9	57.4	58	58.5	59.1
250	62.2	62.2	58.5	56.4	55.3	55	55.2	55.5	56	56.5	57	57.5	58	58.6
260	62	62	58.2	56.1	55	54.7	54.8	55.2	55.6	56.1	56.6	57.1	57.6	58.1
270	61.7	61.7	57.9	55.8	54.7	54.4	54.5	54.8	55.3	55.7	56.2	56.7	57.2	57.7
280	61.4	61.4	57.7	55.5	54.4	54.1	54.2	54.5	54.9	55.4	55.8	56.3	56.8	57.3
290	61.2	61.2	57.4	55.3	54.2	53.8	53.9	54.2	54.6	55	55.5	55.9	56.4	56.9
300	61	61	57.2	55	53.9	53.5	53.6	53.9	54.3	54.7	55.1	55.6	56	56.5

* 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	71.2	71.2	67.6	65.7	64.9	64.8	65.3	66	66.9	67.8	68.7	69.6	70.5	71.4
30	70.1	70.1	66.6	64.7	64	64	64.5	65.3	66.2	67.1	68.1	69	70	71
40	72.9	72.9	69.4	67.6	66.8	66.9	67.4	68.2	69.1	70	71	71.9	72.9	73.9
50	71.9	71.9	68.4	66.5	65.7	65.7	66.2	67	67.9	68.8	69.8	70.7	71.7	72.6
60	71	71	67.4	65.6	64.8	64.8	65.3	66	66.9	67.8	68.7	69.6	70.6	71.5
70	70.1	70.1	66.5	64.6	63.8	63.8	64.3	65	65.9	66.8	67.7	68.6	69.5	70.5
80	69.3	69.3	65.7	63.9	63	63	63.5	64.2	65	65.9	66.8	67.7	68.6	69.5
90	68.6	68.6	65	63.1	62.3	62.3	62.7	63.4	64.2	65.1	66	66.8	67.7	68.6
100	68	68	64.4	62.5	61.7	61.6	62.1	62.7	63.5	64.4	65.2	66.1	66.9	67.8
110	67.4	67.4	63.8	61.9	61.1	61	61.4	62.1	62.8	63.7	64.5	65.3	66.1	67
120	66.9	66.9	63.3	61.4	60.5	60.4	60.8	61.5	62.2	63	63.8	64.6	65.4	66.2
130	66.4	66.4	62.8	60.9	60	59.9	60.3	60.9	61.6	62.4	63.1	63.9	64.7	65.5
140	66	66	62.4	60.4	59.5	59.4	59.7	60.3	61	61.8	62.5	63.3	64	64.8
150	65.6	65.6	62	60	59.1	58.9	59.2	59.8	60.5	61.2	61.9	62.6	63.4	64.1
160	65.2	65.2	61.6	59.6	58.6	58.5	58.8	59.3	60	60.6	61.3	62	62.7	63.5
170	64.8	64.8	61.2	59.2	58.2	58	58.3	58.8	59.4	60.1	60.8	61.5	62.1	62.8
180	64.4	64.4	60.8	58.8	57.8	57.6	57.8	58.4	59	59.6	60.2	60.9	61.6	62.2
190	64.1	64.1	60.4	58.4	57.4	57.2	57.4	57.9	58.5	59.1	59.7	60.4	61	61.6
200	63.7	63.7	60	58	57	56.7	57	57.4	58	58.6	59.2	59.8	60.4	61.1
210	63.4	63.4	59.7	57.6	56.6	56.3	56.5	57	57.5	58.1	58.7	59.3	59.9	60.5
220	63	63	59.3	57.2	56.2	55.9	56.1	56.6	57.1	57.7	58.2	58.8	59.4	60
230	62.7	62.7	59	56.9	55.9	55.6	55.8	56.2	56.7	57.2	57.8	58.3	58.9	59.5
240	62.4	62.4	58.6	56.6	55.5	55.2	55.4	55.8	56.3	56.8	57.3	57.9	58.4	59
250	62.1	62.1	58.3	56.2	55.2	54.9	55	55.4	55.9	56.4	56.9	57.4	58	58.5
260	61.8	61.8	58	55.9	54.9	54.5	54.7	55	55.5	56	56.5	57	57.5	58.1
270	61.5	61.5	57.8	55.6	54.6	54.2	54.4	54.7	55.1	55.6	56.1	56.6	57.1	57.6
280	61.3	61.3	57.5	55.4	54.3	53.9	54	54.4	54.8	55.3	55.7	56.2	56.7	57.2
290	61	61	57.2	55.1	54	53.6	53.7	54.1	54.5	54.9	55.4	55.8	56.3	56.8
300	60.8	60.8	57	54.8	53.7	53.4	53.4	53.8	54.2	54.6	55	55.5	55.9	56.4

* 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	69.3	69.3	65.6	63.6	62.6	62.5	62.8	63.3	64	64.8	65.5	66.3	67.1	67.9
30	67.5	67.5	63.8	61.8	60.9	60.8	61.2	61.8	62.6	63.4	64.3	65.1	66	66.9
40	66.6	66.6	63	61	60	59.9	60.3	60.9	61.7	62.5	63.3	64.2	65.1	66
50	65.8	65.8	62.2	60.2	59.3	59.1	59.5	60.1	60.8	61.6	62.5	63.4	64.3	65.2
60	65.1	65.1	61.5	59.5	58.5	58.4	58.7	59.3	60.1	60.9	61.7	62.6	63.4	64.3
70	64.5	64.5	60.8	58.8	57.9	57.7	58	58.6	59.3	60.1	61	61.8	62.7	63.5
80	63.8	63.8	60.2	58.2	57.2	57	57.4	57.9	58.6	59.4	60.2	61.1	61.9	62.8
90	63.3	63.3	59.6	57.6	56.6	56.4	56.7	57.3	58	58.7	59.5	60.4	61.2	62
100	62.7	62.7	59.1	57	56	55.9	56.1	56.7	57.4	58.1	58.9	59.7	60.5	61.3
110	62.2	62.2	58.5	56.5	55.5	55.3	55.6	56.1	56.8	57.5	58.3	59	59.8	60.6
120	61.8	61.8	58.1	56	55	54.8	55.1	55.6	56.2	56.9	57.7	58.4	59.2	60
130	61.3	61.3	57.6	55.6	54.6	54.3	54.6	55.1	55.7	56.4	57.1	57.8	58.6	59.3
140	60.9	60.9	57.2	55.1	54.1	53.9	54.1	54.6	55.2	55.9	56.5	57.3	58	58.7
150	60.5	60.5	56.8	54.7	53.7	53.5	53.7	54.1	54.7	55.4	56	56.7	57.4	58.1
160	60.2	60.2	56.5	54.4	53.3	53.1	53.3	53.7	54.3	54.9	55.5	56.2	56.9	57.6
170	59.8	59.8	56.1	54	53	52.7	52.9	53.3	53.8	54.4	55	55.7	56.3	57
180	59.5	59.5	55.8	53.7	52.6	52.3	52.5	52.9	53.4	54	54.6	55.2	55.8	56.5
190	59.2	59.2	55.5	53.4	52.3	52	52.1	52.5	53	53.6	54.1	54.7	55.3	56
200	58.9	58.9	55.2	53	52	51.6	51.8	52.2	52.6	53.2	53.7	54.3	54.9	55.5
210	58.7	58.7	54.9	52.8	51.7	51.3	51.4	51.8	52.3	52.8	53.3	53.9	54.4	55
220	58.4	58.4	54.6	52.5	51.4	51	51.1	51.5	51.9	52.4	52.9	53.4	54	54.6
230	58.1	58.1	54.3	52.2	51.1	50.7	50.8	51.1	51.6	52	52.5	53	53.6	54.1
240	57.9	57.9	54.1	51.9	50.8	50.4	50.5	50.8	51.2	51.7	52.2	52.7	53.2	53.7
250	57.6	57.6	53.8	51.7	50.5	50.1	50.2	50.5	50.9	51.4	51.8	52.3	52.8	53.3
260	57.4	57.4	53.6	51.4	50.3	49.9	50	50.2	50.6	51.1	51.5	51.9	52.4	52.9
270	57.2	57.2	53.4	51.2	50	49.6	49.7	50	50.3	50.7	51.2	51.6	52	52.5
280	56.9	56.9	53.1	50.9	49.8	49.4	49.4	49.7	50.1	50.5	50.9	51.3	51.7	52.2
290	56.7	56.7	52.9	50.7	49.6	49.2	49.2	49.5	49.8	50.2	50.6	51	51.4	51.8
300	56.5	56.5	52.7	50.5	49.4	48.9	49	49.2	49.5	49.9	50.3	50.7	51.1	51.5

* 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	67.8	67.8	64.1	62.1	61.1	60.8	61.1	61.6	62.2	62.8	63.5	64.2	64.9	65.7
30	65.9	65.9	62.2	60.1	59.2	59	59.3	59.8	60.5	61.2	62	62.8	63.6	64.4
40	64.8	64.8	61.1	59	58	57.8	58.1	58.6	59.3	60	60.8	61.6	62.4	63.3
50	64	64	60.3	58.2	57.2	57	57.2	57.7	58.4	59.1	59.8	60.6	61.4	62.3
60	63.3	63.3	59.6	57.5	56.5	56.2	56.5	57	57.6	58.3	59	59.8	60.6	61.4
70	62.7	62.7	58.9	56.8	55.8	55.6	55.8	56.3	56.9	57.5	58.3	59	59.8	60.6
80	62.1	62.1	58.3	56.2	55.2	54.9	55.1	55.6	56.2	56.8	57.5	58.2	59	59.8
90	61.5	61.5	57.7	55.6	54.6	54.3	54.5	54.9	55.5	56.2	56.8	57.5	58.3	59
100	61	61	57.2	55.1	54	53.7	53.9	54.4	54.9	55.5	56.2	56.9	57.6	58.3
110	60.5	60.5	56.7	54.6	53.5	53.2	53.4	53.8	54.3	54.9	55.5	56.2	56.9	57.6
120	60	60	56.2	54.1	53	52.7	52.9	53.3	53.8	54.3	55	55.6	56.3	57
130	59.6	59.6	55.8	53.7	52.6	52.2	52.4	52.8	53.3	53.8	54.4	55	55.6	56.3
140	59.2	59.2	55.4	53.3	52.2	51.8	51.9	52.3	52.8	53.3	53.9	54.4	55.1	55.7
150	58.8	58.8	55	52.9	51.8	51.4	51.5	51.9	52.3	52.8	53.4	53.9	54.5	55.1
160	58.5	58.5	54.7	52.5	51.4	51	51.1	51.4	51.9	52.4	52.9	53.4	54	54.6
170	58.1	58.1	54.3	52.2	51	50.7	50.7	51.1	51.5	51.9	52.4	52.9	53.5	54.1
180	57.8	57.8	54	51.8	50.7	50.3	50.4	50.7	51.1	51.5	52	52.5	53	53.6
190	57.5	57.5	53.7	51.5	50.4	50	50.1	50.3	50.7	51.1	51.6	52.1	52.5	53.1
200	57.3	57.3	53.4	51.3	50.1	49.7	49.7	50	50.4	50.8	51.2	51.7	52.1	52.6
210	57	57	53.2	51	49.8	49.4	49.4	49.7	50.1	50.4	50.8	51.3	51.7	52.2
220	56.7	56.7	52.9	50.7	49.6	49.1	49.2	49.4	49.7	50.1	50.5	50.9	51.3	51.8
230	56.5	56.5	52.7	50.5	49.3	48.9	48.9	49.1	49.4	49.8	50.2	50.5	50.9	51.4
240	56.3	56.3	52.4	50.2	49.1	48.6	48.6	48.8	49.2	49.5	49.8	50.2	50.6	51
250	56.1	56.1	52.2	50	48.8	48.4	48.4	48.6	48.9	49.2	49.5	49.9	50.2	50.6
260	55.8	55.8	52	49.8	48.6	48.1	48.1	48.3	48.6	48.9	49.2	49.6	49.9	50.3
270	55.6	55.6	51.8	49.6	48.4	47.9	47.9	48.1	48.4	48.7	49	49.3	49.6	49.9
280	55.4	55.4	51.6	49.4	48.2	47.7	47.7	47.9	48.1	48.4	48.7	49	49.3	49.6
290	55.2	55.2	51.4	49.2	48	47.5	47.5	47.6	47.9	48.2	48.5	48.7	49	49.3
300	55.1	55.1	51.2	49	47.8	47.3	47.3	47.4	47.7	47.9	48.2	48.5	48.7	49

* 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	66.3	66.3	62.5	60.5	59.5	59.2	59.4	59.9	60.4	61.1	61.7	62.4	63	63.7
30	64.7	64.7	61	58.9	57.9	57.7	58	58.5	59.1	59.8	60.5	61.2	61.9	62.7
40	63.5	63.5	59.8	57.7	56.7	56.4	56.7	57.2	57.8	58.5	59.2	59.9	60.7	61.5
50	62.7	62.7	58.9	56.8	55.8	55.5	55.7	56.2	56.7	57.4	58.1	58.8	59.6	60.3
60	61.9	61.9	58.2	56.1	55	54.7	54.9	55.3	55.9	56.5	57.2	57.9	58.6	59.3
70	61.3	61.3	57.5	55.4	54.3	54	54.2	54.6	55.1	55.7	56.4	57	57.8	58.5
80	60.7	60.7	56.9	54.8	53.7	53.4	53.5	53.9	54.5	55	55.7	56.3	57	57.7
90	60.2	60.2	56.4	54.2	53.1	52.8	53	53.3	53.8	54.4	55	55.6	56.3	57
100	59.7	59.7	55.9	53.7	52.6	52.3	52.4	52.8	53.2	53.8	54.4	55	55.6	56.3
110	59.2	59.2	55.4	53.2	52.1	51.8	51.9	52.2	52.7	53.2	53.8	54.3	55	55.6
120	58.7	58.7	54.9	52.8	51.7	51.3	51.4	51.7	52.2	52.7	53.2	53.8	54.3	55
130	58.3	58.3	54.5	52.4	51.2	50.8	50.9	51.3	51.7	52.2	52.7	53.2	53.8	54.4
140	57.9	57.9	54.1	52	50.8	50.4	50.5	50.8	51.2	51.7	52.2	52.7	53.2	53.8
150	57.6	57.6	53.8	51.6	50.4	50	50.1	50.4	50.8	51.2	51.7	52.2	52.7	53.3
160	57.2	57.2	53.4	51.2	50.1	49.7	49.7	50	50.4	50.8	51.2	51.7	52.2	52.7
170	56.9	56.9	53.1	50.9	49.8	49.3	49.4	49.6	50	50.4	50.8	51.3	51.7	52.3
180	56.6	56.6	52.8	50.6	49.4	49	49.1	49.3	49.7	50	50.4	50.9	51.3	51.8
190	56.4	56.4	52.5	50.3	49.1	48.7	48.7	49	49.3	49.7	50.1	50.5	50.9	51.3
200	56.1	56.1	52.3	50	48.9	48.4	48.4	48.7	49	49.3	49.7	50.1	50.5	50.9
210	55.8	55.8	52	49.8	48.6	48.2	48.2	48.4	48.7	49	49.4	49.7	50.1	50.5
220	55.6	55.6	51.7	49.5	48.3	47.9	47.9	48.1	48.4	48.7	49	49.4	49.7	50.1
230	55.4	55.4	51.5	49.3	48.1	47.6	47.6	47.8	48.1	48.4	48.7	49.1	49.4	49.8
240	55.1	55.1	51.3	49.1	47.9	47.4	47.4	47.6	47.8	48.1	48.4	48.7	49.1	49.4
250	54.9	54.9	51.1	48.8	47.6	47.2	47.1	47.3	47.6	47.9	48.2	48.4	48.7	49.1
260	54.7	54.7	50.9	48.6	47.4	47	46.9	47.1	47.3	47.6	47.9	48.2	48.4	48.7
270	54.5	54.5	50.7	48.4	47.2	46.7	46.7	46.9	47.1	47.4	47.6	47.9	48.1	48.4
280	54.3	54.3	50.5	48.2	47	46.5	46.5	46.7	46.9	47.1	47.4	47.6	47.9	48.1
290	54.1	54.1	50.3	48	46.8	46.3	46.3	46.5	46.7	46.9	47.1	47.4	47.6	47.8
300	54	54	50.1	47.9	46.6	46.2	46.1	46.3	46.5	46.7	46.9	47.1	47.3	47.6

* 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	65.3	65.3	61.6	59.5	58.4	58.1	58.3	58.8	59.3	59.9	60.5	61.1	61.8	62.5
30	64	64	60.2	58.1	57.1	56.8	57	57.4	57.9	58.5	59.2	59.8	60.5	61.2
40	62.6	62.6	58.8	56.7	55.7	55.4	55.6	56	56.6	57.2	57.9	58.6	59.3	60
50	61.7	61.7	58	55.8	54.8	54.5	54.6	55.1	55.6	56.2	56.8	57.5	58.2	58.9
60	61.1	61.1	57.3	55.1	54.1	53.7	53.9	54.3	54.8	55.4	56	56.6	57.3	58
70	60.4	60.4	56.7	54.5	53.4	53.1	53.2	53.6	54.1	54.6	55.2	55.8	56.5	57.1
80	59.9	59.9	56.1	53.9	52.8	52.5	52.6	52.9	53.4	53.9	54.5	55.1	55.7	56.4
90	59.4	59.4	55.6	53.4	52.3	51.9	52	52.3	52.8	53.3	53.8	54.4	55	55.6
100	58.9	58.9	55.1	52.9	51.8	51.4	51.5	51.8	52.2	52.7	53.2	53.8	54.3	55
110	58.4	58.4	54.6	52.4	51.3	50.9	51	51.3	51.7	52.2	52.6	53.2	53.7	54.3
120	58	58	54.2	52	50.8	50.4	50.5	50.8	51.2	51.6	52.1	52.6	53.1	53.7
130	57.6	57.6	53.8	51.6	50.4	50	50.1	50.4	50.7	51.2	51.6	52.1	52.6	53.1
140	57.2	57.2	53.4	51.2	50	49.6	49.7	49.9	50.3	50.7	51.1	51.6	52.1	52.6
150	56.8	56.8	53	50.8	49.7	49.2	49.3	49.5	49.9	50.3	50.7	51.1	51.6	52.1
160	56.5	56.5	52.7	50.5	49.3	48.9	48.9	49.2	49.5	49.9	50.3	50.7	51.1	51.6
170	56.2	56.2	52.4	50.2	49	48.6	48.6	48.8	49.1	49.5	49.9	50.3	50.7	51.1
180	55.9	55.9	52.1	49.9	48.7	48.2	48.2	48.5	48.8	49.1	49.5	49.9	50.3	50.7
190	55.6	55.6	51.8	49.6	48.4	47.9	47.9	48.2	48.5	48.8	49.1	49.5	49.9	50.3
200	55.4	55.4	51.5	49.3	48.1	47.7	47.6	47.9	48.2	48.5	48.8	49.1	49.5	49.9
210	55.1	55.1	51.3	49	47.8	47.4	47.4	47.6	47.9	48.2	48.5	48.8	49.1	49.5
220	54.9	54.9	51	48.8	47.6	47.1	47.1	47.3	47.6	47.9	48.2	48.5	48.8	49.1
230	54.6	54.6	50.8	48.5	47.3	46.9	46.9	47	47.3	47.6	47.9	48.2	48.5	48.8
240	54.4	54.4	50.6	48.3	47.1	46.6	46.6	46.8	47	47.3	47.6	47.9	48.2	48.5
250	54.2	54.2	50.3	48.1	46.9	46.4	46.4	46.6	46.8	47.1	47.3	47.6	47.9	48.1
260	54	54	50.1	47.9	46.7	46.2	46.2	46.3	46.6	46.8	47.1	47.3	47.6	47.8
270	53.8	53.8	49.9	47.7	46.5	46	45.9	46.1	46.3	46.6	46.8	47	47.3	47.5
280	53.6	53.6	49.7	47.5	46.3	45.8	45.7	45.9	46.1	46.3	46.6	46.8	47	47.2
290	53.4	53.4	49.5	47.3	46.1	45.6	45.5	45.7	45.9	46.1	46.3	46.6	46.8	47
300	53.2	53.2	49.4	47.1	45.9	45.4	45.3	45.5	45.7	45.9	46.1	46.3	46.5	46.7

* 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	64.4	64.4	60.6	58.5	57.5	57.2	57.3	57.7	58.2	58.8	59.4	60	60.6	61.2
30	63.5	63.5	59.8	57.7	56.6	56.3	56.5	56.9	57.4	58	58.6	59.2	59.8	60.4
40	62	62	58.3	56.2	55.1	54.8	55	55.4	55.9	56.5	57.1	57.8	58.5	59.1
50	61	61	57.3	55.1	54.1	53.7	53.9	54.3	54.8	55.3	56	56.6	57.2	57.9
60	60.4	60.4	56.6	54.4	53.3	53	53.1	53.5	53.9	54.5	55.1	55.7	56.3	57
70	59.8	59.8	56	53.8	52.7	52.3	52.4	52.8	53.2	53.7	54.3	54.9	55.5	56.1
80	59.2	59.2	55.4	53.2	52.1	51.7	51.8	52.2	52.6	53.1	53.6	54.2	54.8	55.4
90	58.7	58.7	54.9	52.7	51.6	51.2	51.3	51.6	52	52.5	53	53.5	54.1	54.7
100	58.2	58.2	54.4	52.2	51.1	50.7	50.8	51.1	51.5	51.9	52.4	52.9	53.5	54.1
110	57.8	57.8	54	51.8	50.6	50.2	50.3	50.6	51	51.4	51.9	52.4	52.9	53.5
120	57.4	57.4	53.5	51.4	50.2	49.8	49.8	50.1	50.5	50.9	51.4	51.9	52.4	52.9
130	57	57	53.1	50.9	49.8	49.4	49.4	49.7	50.1	50.5	50.9	51.4	51.9	52.4
140	56.6	56.6	52.8	50.6	49.4	49	49	49.3	49.6	50	50.4	50.9	51.4	51.9
150	56.2	56.2	52.4	50.2	49	48.6	48.6	48.9	49.2	49.6	50	50.4	50.9	51.4
160	55.9	55.9	52.1	49.9	48.7	48.3	48.3	48.5	48.9	49.2	49.6	50	50.4	50.9
170	55.6	55.6	51.8	49.6	48.4	47.9	47.9	48.2	48.5	48.9	49.2	49.6	50	50.5
180	55.3	55.3	51.5	49.3	48.1	47.6	47.6	47.9	48.2	48.5	48.9	49.2	49.6	50
190	55	55	51.2	49	47.8	47.3	47.3	47.5	47.8	48.2	48.5	48.9	49.2	49.6
200	54.8	54.8	50.9	48.7	47.5	47.1	47	47.2	47.5	47.9	48.2	48.5	48.9	49.3
210	54.5	54.5	50.7	48.4	47.2	46.8	46.8	47	47.2	47.6	47.9	48.2	48.5	48.9
220	54.3	54.3	50.4	48.2	47	46.5	46.5	46.7	47	47.3	47.6	47.9	48.2	48.5
230	54	54	50.2	48	46.7	46.3	46.3	46.4	46.7	47	47.3	47.6	47.9	48.2
240	53.8	53.8	50	47.7	46.5	46	46	46.2	46.4	46.7	47	47.3	47.5	47.9
250	53.6	53.6	49.7	47.5	46.3	45.8	45.8	46	46.2	46.5	46.7	47	47.2	47.5
260	53.4	53.4	49.5	47.3	46.1	45.6	45.6	45.7	46	46.2	46.5	46.7	47	47.2
270	53.2	53.2	49.3	47.1	45.9	45.4	45.4	45.5	45.7	46	46.2	46.5	46.7	47
280	53	53	49.1	46.9	45.7	45.2	45.1	45.3	45.5	45.8	46	46.2	46.4	46.7
290	52.8	52.8	49	46.7	45.5	45	44.9	45.1	45.3	45.5	45.8	46	46.2	46.4
300	52.6	52.6	48.8	46.5	45.3	44.8	44.8	44.9	45.1	45.3	45.5	45.7	45.9	46.1

* 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	63.5	63.5	59.7	57.6	56.6	56.2	56.4	56.8	57.3	57.8	58.4	58.9	59.5	60.1
30	62.7	62.7	59	56.8	55.8	55.4	55.6	56	56.5	57	57.6	58.1	58.7	59.4
40	61.4	61.4	57.7	55.5	54.4	54.1	54.3	54.6	55.1	55.7	56.3	56.9	57.5	58.2
50	60.5	60.5	56.7	54.6	53.5	53.1	53.2	53.6	54.1	54.6	55.2	55.8	56.4	57
60	59.8	59.8	56	53.8	52.7	52.3	52.4	52.8	53.2	53.7	54.2	54.8	55.4	56
70	59.1	59.1	55.3	53.2	52	51.6	51.7	52	52.5	53	53.5	54	54.6	55.2
80	58.6	58.6	54.8	52.6	51.4	51.1	51.1	51.4	51.8	52.3	52.8	53.3	53.9	54.4
90	58.1	58.1	54.3	52.1	50.9	50.5	50.6	50.9	51.3	51.7	52.2	52.7	53.2	53.8
100	57.6	57.6	53.8	51.6	50.4	50	50.1	50.4	50.7	51.2	51.6	52.1	52.6	53.2
110	57.2	57.2	53.3	51.1	50	49.6	49.6	49.9	50.2	50.7	51.1	51.6	52	52.6
120	56.7	56.7	52.9	50.7	49.5	49.1	49.2	49.4	49.8	50.2	50.6	51	51.5	52
130	56.4	56.4	52.5	50.3	49.1	48.7	48.7	49	49.3	49.7	50.1	50.5	51	51.5
140	56	56	52.2	49.9	48.8	48.3	48.3	48.6	48.9	49.3	49.7	50.1	50.5	51
150	55.6	55.6	51.8	49.6	48.4	48	48	48.2	48.5	48.9	49.3	49.7	50.1	50.5
160	55.3	55.3	51.5	49.3	48.1	47.6	47.6	47.9	48.2	48.5	48.9	49.2	49.6	50.1
170	55	55	51.2	49	47.8	47.3	47.3	47.5	47.8	48.2	48.5	48.9	49.3	49.7
180	54.7	54.7	50.9	48.7	47.5	47	47	47.2	47.5	47.8	48.2	48.5	48.9	49.3
190	54.5	54.5	50.6	48.4	47.2	46.7	46.7	46.9	47.2	47.5	47.8	48.2	48.5	48.9
200	54.2	54.2	50.4	48.1	46.9	46.5	46.4	46.6	46.9	47.2	47.5	47.8	48.2	48.5
210	54	54	50.1	47.9	46.7	46.2	46.2	46.4	46.6	46.9	47.2	47.5	47.8	48.2
220	53.7	53.7	49.9	47.6	46.4	46	45.9	46.1	46.4	46.6	46.9	47.2	47.5	47.8
230	53.5	53.5	49.6	47.4	46.2	45.7	45.7	45.9	46.1	46.4	46.7	46.9	47.2	47.5
240	53.3	53.3	49.4	47.2	46	45.5	45.4	45.6	45.9	46.1	46.4	46.6	46.9	47.2
250	53.1	53.1	49.2	47	45.8	45.3	45.2	45.4	45.6	45.9	46.1	46.4	46.6	46.9
260	52.9	52.9	49	46.8	45.5	45.1	45	45.2	45.4	45.6	45.9	46.1	46.4	46.6
270	52.7	52.7	48.8	46.6	45.3	44.9	44.8	45	45.2	45.4	45.6	45.9	46.1	46.4
280	52.5	52.5	48.6	46.4	45.2	44.7	44.6	44.8	45	45.2	45.4	45.6	45.9	46.1
290	52.3	52.3	48.4	46.2	45	44.5	44.4	44.6	44.8	45	45.2	45.4	45.6	45.8
300	52.1	52.1	48.3	46	44.8	44.3	44.2	44.4	44.6	44.8	45	45.2	45.4	45.6

* 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	62.8	62.8	59	56.9	55.8	55.5	55.7	56	56.5	57.1	57.6	58.2	58.8	59.4
30	62.2	62.2	58.4	56.3	55.2	54.8	54.9	55.3	55.7	56.2	56.8	57.3	57.9	58.5
40	61	61	57.2	55	53.9	53.6	53.7	54.1	54.5	55	55.5	56.1	56.7	57.3
50	60	60	56.3	54.1	53	52.6	52.7	53.1	53.5	54	54.5	55.1	55.7	56.3
60	59.3	59.3	55.5	53.4	52.2	51.9	51.9	52.3	52.7	53.2	53.7	54.2	54.8	55.4
70	58.7	58.7	54.9	52.7	51.6	51.2	51.3	51.6	52	52.4	52.9	53.5	54	54.6
80	58.1	58.1	54.3	52.1	51	50.6	50.6	50.9	51.3	51.8	52.2	52.7	53.3	53.8
90	57.6	57.6	53.8	51.6	50.5	50	50.1	50.4	50.8	51.2	51.6	52.1	52.6	53.2
100	57.2	57.2	53.3	51.1	50	49.6	49.6	49.9	50.2	50.6	51.1	51.5	52	52.5
110	56.7	56.7	52.9	50.7	49.5	49.1	49.1	49.4	49.7	50.1	50.5	51	51.4	52
120	56.3	56.3	52.5	50.3	49.1	48.7	48.7	48.9	49.3	49.7	50	50.5	50.9	51.4
130	55.9	55.9	52.1	49.9	48.7	48.3	48.3	48.5	48.8	49.2	49.6	50	50.4	50.9
140	55.6	55.6	51.7	49.5	48.3	47.9	47.9	48.1	48.4	48.8	49.2	49.5	50	50.4
150	55.2	55.2	51.4	49.2	48	47.5	47.5	47.8	48.1	48.4	48.8	49.1	49.5	50
160	54.9	54.9	51.1	48.9	47.7	47.2	47.2	47.4	47.7	48	48.4	48.7	49.1	49.5
170	54.6	54.6	50.8	48.6	47.4	46.9	46.9	47.1	47.4	47.7	48	48.4	48.7	49.1
180	54.3	54.3	50.5	48.3	47.1	46.6	46.6	46.8	47.1	47.4	47.7	48	48.3	48.7
190	54.1	54.1	50.2	48	46.8	46.3	46.3	46.5	46.7	47	47.3	47.7	48	48.3
200	53.8	53.8	50	47.7	46.5	46	46	46.2	46.5	46.7	47	47.3	47.6	48
210	53.6	53.6	49.7	47.5	46.3	45.8	45.8	45.9	46.2	46.5	46.7	47	47.3	47.6
220	53.3	53.3	49.5	47.2	46	45.5	45.5	45.7	45.9	46.2	46.4	46.7	47	47.3
230	53.1	53.1	49.2	47	45.8	45.3	45.3	45.4	45.7	45.9	46.2	46.4	46.7	47
240	52.9	52.9	49	46.8	45.6	45.1	45	45.2	45.4	45.7	45.9	46.1	46.4	46.7
250	52.7	52.7	48.8	46.6	45.4	44.9	44.8	45	45.2	45.4	45.7	45.9	46.1	46.4
260	52.5	52.5	48.6	46.4	45.2	44.7	44.6	44.8	45	45.2	45.4	45.6	45.9	46.1
270	52.3	52.3	48.4	46.2	44.9	44.5	44.4	44.5	44.7	45	45.2	45.4	45.6	45.8
280	52.1	52.1	48.2	46	44.8	44.3	44.2	44.3	44.5	44.8	45	45.1	45.3	45.6
290	51.9	51.9	48	45.8	44.6	44.1	44	44.1	44.3	44.5	44.7	44.9	45.1	45.3
300	51.7	51.7	47.9	45.6	44.4	43.9	43.8	43.9	44.1	44.3	44.5	44.7	44.9	45.1

* 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	66.2	66.2	63.9	63.4	63.5	64	64.4	65	65.5	65.9	66.4	66.9	67.4	67.8
30	64.8	64.8	62.4	61.8	61.9	62.2	62.6	63	63.4	63.8	64.1	64.5	64.9	65.2
40	64.1	64.1	61.7	61.2	61.2	61.6	61.9	62.3	62.7	63.1	63.5	63.9	64.2	64.6
50	63.5	63.5	61.2	60.6	60.7	61	61.5	61.9	62.3	62.7	63.1	63.5	63.9	64.2
60	62.9	62.9	60.6	60.1	60.2	60.5	61	61.4	61.9	62.3	62.7	63.1	63.5	63.9
70	62.4	62.4	60.1	59.5	59.7	60	60.5	61	61.4	61.9	62.3	62.7	63.1	63.5
80	61.9	61.9	59.6	59	59.2	59.6	60	60.5	61	61.4	61.9	62.3	62.7	63.1
90	61.4	61.4	59.1	58.6	58.7	59.1	59.6	60.1	60.5	61	61.4	61.9	62.3	62.7
100	61	61	58.7	58.2	58.3	58.7	59.2	59.7	60.1	60.6	61	61.5	61.9	62.3
110	60.5	60.5	58.3	57.8	57.9	58.3	58.8	59.3	59.7	60.2	60.7	61.1	61.5	61.9
120	60.2	60.2	57.9	57.4	57.5	57.9	58.4	58.9	59.4	59.8	60.3	60.7	61.2	61.6
130	59.8	59.8	57.5	57	57.2	57.6	58	58.5	59	59.5	59.9	60.4	60.8	61.2
140	59.5	59.5	57.2	56.7	56.8	57.2	57.7	58.2	58.7	59.1	59.6	60	60.5	60.9
150	59.1	59.1	56.9	56.4	56.5	56.9	57.4	57.9	58.3	58.8	59.3	59.7	60.1	60.6
160	58.8	58.8	56.6	56	56.2	56.6	57.1	57.6	58	58.5	59	59.4	59.8	60.3
170	58.6	58.6	56.3	55.8	55.9	56.3	56.8	57.3	57.7	58.2	58.7	59.1	59.5	59.9
180	58.3	58.3	56	55.5	55.6	56	56.5	57	57.5	57.9	58.4	58.8	59.2	59.7
190	58	58	55.7	55.2	55.4	55.8	56.2	56.7	57.2	57.6	58.1	58.5	59	59.4
200	57.8	57.8	55.5	55	55.1	55.5	56	56.5	56.9	57.4	57.8	58.3	58.7	59.1
210	57.5	57.5	55.2	54.7	54.9	55.3	55.7	56.2	56.7	57.1	57.6	58	58.4	58.9
220	57.3	57.3	55	54.5	54.6	55	55.5	56	56.4	56.9	57.3	57.8	58.2	58.6
230	57.1	57.1	54.8	54.2	54.4	54.8	55.2	55.7	56.2	56.6	57.1	57.5	57.9	58.4
240	56.9	56.9	54.6	54	54.2	54.6	55	55.5	56	56.4	56.9	57.3	57.7	58.1
250	56.6	56.6	54.3	53.8	54	54.3	54.8	55.3	55.7	56.2	56.6	57.1	57.5	57.9
260	56.4	56.4	54.1	53.6	53.8	54.1	54.6	55.1	55.5	56	56.4	56.8	57.3	57.7
270	56.2	56.2	53.9	53.4	53.6	53.9	54.4	54.9	55.3	55.8	56.2	56.6	57	57.5
280	56.1	56.1	53.8	53.2	53.4	53.7	54.2	54.7	55.1	55.6	56	56.4	56.8	57.2
290	55.9	55.9	53.6	53	53.2	53.5	54	54.5	54.9	55.4	55.8	56.2	56.6	57
300	55.7	55.7	53.4	52.9	53	53.4	53.8	54.3	54.7	55.2	55.6	56	56.4	56.8

* 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	64	64	61.7	61.1	61.2	61.5	61.9	62.3	62.7	63.1	63.5	63.9	64.2	64.6
30	62.6	62.6	60.2	59.5	59.5	59.8	60.1	60.4	60.8	61.1	61.4	61.8	62.1	62.4
40	61.9	61.9	59.5	58.8	58.9	59.1	59.4	59.7	60	60.3	60.6	60.9	61.2	61.5
50	61.4	61.4	59	58.3	58.3	58.6	58.9	59.2	59.6	59.9	60.2	60.5	60.7	61
60	60.8	60.8	58.4	57.8	57.8	58.1	58.4	58.8	59.1	59.5	59.8	60.1	60.4	60.6
70	60.3	60.3	57.9	57.3	57.4	57.6	58	58.3	58.7	59	59.4	59.7	60	60.3
80	59.8	59.8	57.5	56.8	56.9	57.2	57.5	57.9	58.3	58.6	59	59.3	59.6	59.9
90	59.4	59.4	57	56.4	56.5	56.8	57.1	57.5	57.9	58.2	58.6	58.9	59.2	59.5
100	59	59	56.6	56	56	56.3	56.7	57.1	57.5	57.8	58.2	58.5	58.8	59.2
110	58.6	58.6	56.2	55.6	55.7	56	56.3	56.7	57.1	57.5	57.8	58.2	58.5	58.8
120	58.2	58.2	55.8	55.2	55.3	55.6	56	56.4	56.7	57.1	57.5	57.8	58.1	58.5
130	57.8	57.8	55.5	54.9	54.9	55.3	55.6	56	56.4	56.8	57.1	57.5	57.8	58.1
140	57.5	57.5	55.1	54.5	54.6	54.9	55.3	55.7	56.1	56.4	56.8	57.1	57.5	57.8
150	57.2	57.2	54.8	54.2	54.3	54.6	55	55.4	55.8	56.1	56.5	56.8	57.2	57.5
160	56.9	56.9	54.5	53.9	54	54.3	54.7	55.1	55.5	55.8	56.2	56.5	56.9	57.2
170	56.6	56.6	54.3	53.7	53.7	54	54.4	54.8	55.2	55.5	55.9	56.2	56.6	56.9
180	56.3	56.3	54	53.4	53.4	53.8	54.1	54.5	54.9	55.3	55.6	56	56.3	56.6
190	56.1	56.1	53.7	53.1	53.2	53.5	53.9	54.3	54.6	55	55.3	55.7	56	56.4
200	55.8	55.8	53.5	52.9	52.9	53.2	53.6	54	54.4	54.7	55.1	55.4	55.8	56.1
210	55.6	55.6	53.2	52.6	52.7	53	53.4	53.8	54.1	54.5	54.8	55.2	55.5	55.8
220	55.4	55.4	53	52.4	52.5	52.8	53.1	53.5	53.9	54.2	54.6	54.9	55.3	55.6
230	55.2	55.2	52.8	52.2	52.2	52.5	52.9	53.3	53.7	54	54.4	54.7	55	55.3
240	54.9	54.9	52.6	52	52	52.3	52.7	53.1	53.4	53.8	54.1	54.5	54.8	55.1
250	54.7	54.7	52.4	51.8	51.8	52.1	52.5	52.8	53.2	53.6	53.9	54.2	54.6	54.9
260	54.5	54.5	52.2	51.6	51.6	51.9	52.3	52.6	53	53.4	53.7	54	54.3	54.7
270	54.3	54.3	52	51.4	51.4	51.7	52.1	52.4	52.8	53.2	53.5	53.8	54.1	54.5
280	54.2	54.2	51.8	51.2	51.2	51.5	51.9	52.2	52.6	53	53.3	53.6	53.9	54.2
290	54	54	51.6	51	51	51.3	51.7	52	52.4	52.8	53.1	53.4	53.7	54
300	53.8	53.8	51.4	50.8	50.9	51.1	51.5	51.9	52.2	52.6	52.9	53.2	53.5	53.8

* 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	62.5	62.5	60.1	59.5	59.5	59.8	60.2	60.5	60.9	61.2	61.6	61.9	62.3	62.6
30	61	61	58.6	58	57.9	58.2	58.5	58.8	59.2	59.5	59.8	60.1	60.4	60.7
40	60.3	60.3	57.8	57.2	57.1	57.3	57.6	57.9	58.2	58.5	58.7	59	59.3	59.5
50	59.7	59.7	57.3	56.6	56.5	56.7	57	57.3	57.6	57.8	58.1	58.3	58.5	58.8
60	59.2	59.2	56.8	56.1	56.1	56.3	56.5	56.8	57.1	57.4	57.6	57.8	58.1	58.3
70	58.7	58.7	56.3	55.6	55.6	55.8	56.1	56.4	56.7	56.9	57.2	57.4	57.7	57.9
80	58.3	58.3	55.8	55.2	55.2	55.4	55.7	56	56.3	56.6	56.8	57.1	57.3	57.6
90	57.8	57.8	55.4	54.8	54.8	55	55.3	55.6	55.9	56.2	56.5	56.7	57	57.2
100	57.4	57.4	55	54.4	54.4	54.6	54.9	55.2	55.5	55.8	56.1	56.4	56.7	56.9
110	57	57	54.6	54	54	54.2	54.6	54.9	55.2	55.5	55.8	56.1	56.3	56.6
120	56.7	56.7	54.3	53.6	53.6	53.9	54.2	54.5	54.9	55.2	55.5	55.7	56	56.3
130	56.3	56.3	53.9	53.3	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.7	56
140	56	56	53.6	53	53	53.2	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.7
150	55.7	55.7	53.3	52.7	52.7	52.9	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.4
160	55.4	55.4	53	52.4	52.4	52.6	53	53.3	53.6	53.9	54.2	54.5	54.8	55.1
170	55.1	55.1	52.7	52.1	52.1	52.4	52.7	53	53.4	53.7	54	54.2	54.5	54.8
180	54.9	54.9	52.5	51.8	51.9	52.1	52.4	52.8	53.1	53.4	53.7	54	54.3	54.5
190	54.6	54.6	52.2	51.6	51.6	51.9	52.2	52.5	52.8	53.1	53.4	53.7	54	54.3
200	54.4	54.4	52	51.3	51.4	51.6	51.9	52.3	52.6	52.9	53.2	53.5	53.8	54
210	54.2	54.2	51.7	51.1	51.1	51.4	51.7	52	52.3	52.6	52.9	53.2	53.5	53.8
220	53.9	53.9	51.5	50.9	50.9	51.1	51.5	51.8	52.1	52.4	52.7	53	53.3	53.5
230	53.7	53.7	51.3	50.7	50.7	50.9	51.2	51.6	51.9	52.2	52.5	52.8	53	53.3
240	53.5	53.5	51.1	50.4	50.5	50.7	51	51.3	51.7	52	52.3	52.5	52.8	53.1
250	53.3	53.3	50.9	50.2	50.2	50.5	50.8	51.1	51.5	51.8	52	52.3	52.6	52.9
260	53.1	53.1	50.7	50	50	50.3	50.6	50.9	51.2	51.5	51.8	52.1	52.4	52.7
270	52.9	52.9	50.5	49.8	49.9	50.1	50.4	50.7	51	51.3	51.6	51.9	52.2	52.4
280	52.7	52.7	50.3	49.7	49.7	49.9	50.2	50.5	50.9	51.1	51.4	51.7	52	52.2
290	52.5	52.5	50.1	49.5	49.5	49.7	50	50.4	50.7	51	51.2	51.5	51.8	52
300	52.4	52.4	50	49.3	49.3	49.5	49.9	50.2	50.5	50.8	51.1	51.3	51.6	51.9

* 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	60	60	58.8	58.2	58.2	58.4	58.8	59.1	59.4	59.7	60	60.3	60.6	60.9
30	58.3	58.3	57.3	56.7	56.6	56.9	57.1	57.4	57.7	58	58.3	58.6	58.8	59.1
40	57.2	57.2	56.5	55.8	55.7	55.9	56.2	56.4	56.7	57	57.2	57.4	57.7	57.9
50	56.5	56.5	55.9	55.2	55.1	55.3	55.5	55.8	56	56.3	56.5	56.7	56.9	57.1
60	55.9	55.9	55.4	54.7	54.6	54.8	55	55.3	55.5	55.7	55.9	56.1	56.3	56.5
70	55.5	55.5	54.9	54.2	54.2	54.3	54.6	54.8	55.1	55.3	55.5	55.7	55.9	56.1
80	55.1	55.1	54.5	53.8	53.7	53.9	54.2	54.4	54.7	54.9	55.1	55.3	55.5	55.7
90	54.8	54.8	54.1	53.4	53.3	53.5	53.8	54.1	54.3	54.5	54.8	55	55.2	55.4
100	54.4	54.4	53.7	53	53	53.2	53.4	53.7	54	54.2	54.4	54.6	54.8	55.1
110	54.1	54.1	53.3	52.6	52.6	52.8	53.1	53.3	53.6	53.9	54.1	54.3	54.5	54.7
120	53.8	53.8	53	52.3	52.2	52.5	52.7	53	53.3	53.5	53.8	54	54.2	54.4
130	53.5	53.5	52.6	51.9	51.9	52.1	52.4	52.7	53	53.2	53.5	53.7	53.9	54.1
140	53.2	53.2	52.3	51.6	51.6	51.8	52.1	52.4	52.7	52.9	53.2	53.4	53.6	53.9
150	52.9	52.9	52	51.3	51.3	51.5	51.8	52.1	52.4	52.6	52.9	53.1	53.3	53.6
160	52.6	52.6	51.7	51.1	51	51.2	51.5	51.8	52.1	52.4	52.6	52.8	53.1	53.3
170	52.3	52.3	51.5	50.8	50.8	51	51.3	51.5	51.8	52.1	52.3	52.6	52.8	53
180	52.1	52.1	51.2	50.5	50.5	50.7	51	51.3	51.6	51.8	52.1	52.3	52.5	52.8
190	51.8	51.8	50.9	50.3	50.2	50.5	50.7	51	51.3	51.6	51.8	52.1	52.3	52.5
200	51.6	51.6	50.7	50	50	50.2	50.5	50.8	51.1	51.3	51.6	51.8	52	52.3
210	51.3	51.3	50.5	49.8	49.8	50	50.3	50.6	50.8	51.1	51.3	51.6	51.8	52
220	51.1	51.1	50.2	49.6	49.5	49.8	50	50.3	50.6	50.9	51.1	51.3	51.6	51.8
230	50.9	50.9	50	49.3	49.3	49.5	49.8	50.1	50.4	50.6	50.9	51.1	51.3	51.6
240	50.7	50.7	49.8	49.1	49.1	49.3	49.6	49.9	50.2	50.4	50.7	50.9	51.1	51.4
250	50.5	50.5	49.6	48.9	48.9	49.1	49.4	49.7	50	50.2	50.5	50.7	50.9	51.1
260	50.2	50.2	49.4	48.7	48.7	48.9	49.2	49.5	49.8	50	50.2	50.5	50.7	50.9
270	50.1	50.1	49.2	48.5	48.5	48.7	49	49.3	49.6	49.8	50.1	50.3	50.5	50.7
280	49.9	49.9	49	48.4	48.3	48.5	48.8	49.1	49.4	49.6	49.9	50.1	50.3	50.5
290	49.7	49.7	48.9	48.2	48.2	48.4	48.6	48.9	49.2	49.4	49.7	49.9	50.1	50.3
300	49.5	49.5	48.7	48	48	48.2	48.5	48.7	49	49.2	49.5	49.7	49.9	50.1

* 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	60.1	60.1	57.7	57	57	57.3	57.6	57.9	58.2	58.5	58.8	59.1	59.4	59.7
30	58.8	58.8	56.3	55.6	55.6	55.8	56	56.3	56.6	56.8	57.1	57.3	57.6	57.8
40	57.9	57.9	55.4	54.7	54.7	54.8	55.1	55.4	55.6	55.9	56.1	56.3	56.6	56.8
50	57.2	57.2	54.7	54	53.9	54.1	54.3	54.6	54.8	55	55.2	55.4	55.6	55.9
60	56.7	56.7	54.2	53.5	53.4	53.5	53.8	54	54.2	54.4	54.6	54.8	54.9	55.1
70	56.2	56.2	53.7	53	52.9	53.1	53.3	53.5	53.7	53.9	54.1	54.3	54.4	54.6
80	55.8	55.8	53.3	52.6	52.5	52.7	52.9	53.1	53.3	53.5	53.7	53.9	54	54.2
90	55.4	55.4	52.9	52.2	52.1	52.3	52.5	52.8	53	53.2	53.4	53.5	53.7	53.9
100	55	55	52.5	51.8	51.7	51.9	52.2	52.4	52.6	52.8	53	53.2	53.4	53.6
110	54.6	54.6	52.2	51.5	51.4	51.6	51.8	52.1	52.3	52.5	52.7	52.9	53.1	53.3
120	54.3	54.3	51.8	51.1	51.1	51.2	51.5	51.8	52	52.2	52.4	52.6	52.8	53
130	54	54	51.5	50.8	50.7	50.9	51.2	51.4	51.7	51.9	52.1	52.3	52.5	52.7
140	53.6	53.6	51.2	50.5	50.4	50.6	50.9	51.1	51.4	51.6	51.8	52	52.2	52.4
150	53.3	53.3	50.9	50.2	50.1	50.3	50.6	50.9	51.1	51.3	51.6	51.8	52	52.2
160	53.1	53.1	50.6	49.9	49.9	50.1	50.3	50.6	50.8	51.1	51.3	51.5	51.7	51.9
170	52.8	52.8	50.3	49.6	49.6	49.8	50.1	50.3	50.6	50.8	51	51.2	51.4	51.6
180	52.5	52.5	50.1	49.4	49.3	49.5	49.8	50.1	50.3	50.5	50.8	51	51.2	51.4
190	52.3	52.3	49.8	49.1	49.1	49.3	49.6	49.8	50.1	50.3	50.5	50.7	50.9	51.1
200	52	52	49.6	48.9	48.9	49	49.3	49.6	49.8	50.1	50.3	50.5	50.7	50.9
210	51.8	51.8	49.4	48.7	48.6	48.8	49.1	49.3	49.6	49.8	50	50.3	50.5	50.7
220	51.6	51.6	49.1	48.4	48.4	48.6	48.9	49.1	49.4	49.6	49.8	50	50.2	50.4
230	51.4	51.4	48.9	48.2	48.2	48.4	48.6	48.9	49.1	49.4	49.6	49.8	50	50.2
240	51.2	51.2	48.7	48	48	48.2	48.4	48.7	48.9	49.2	49.4	49.6	49.8	50
250	51	51	48.5	47.8	47.8	48	48.2	48.5	48.7	49	49.2	49.4	49.6	49.8
260	50.8	50.8	48.3	47.6	47.6	47.8	48	48.3	48.5	48.8	49	49.2	49.4	49.6
270	50.6	50.6	48.1	47.4	47.4	47.6	47.8	48.1	48.3	48.6	48.8	49	49.2	49.4
280	50.4	50.4	48	47.3	47.2	47.4	47.6	47.9	48.2	48.4	48.6	48.8	49	49.2
290	50.2	50.2	47.8	47.1	47	47.2	47.5	47.7	48	48.2	48.4	48.6	48.8	49
300	50.1	50.1	47.6	46.9	46.9	47	47.3	47.5	47.8	48	48.2	48.4	48.6	48.8

* 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	59.1	59.1	56.7	56	56	56.2	56.5	56.8	57.1	57.4	57.7	58	58.3	58.6
30	57.9	57.9	55.5	54.8	54.7	54.9	55.2	55.5	55.7	56	56.2	56.5	56.7	56.9
40	57	57	54.5	53.8	53.8	53.9	54.2	54.5	54.7	55	55.2	55.5	55.7	55.9
50	56.3	56.3	53.8	53.1	53	53.2	53.4	53.7	53.9	54.1	54.4	54.6	54.8	55
60	55.7	55.7	53.2	52.5	52.4	52.6	52.8	53	53.2	53.4	53.6	53.8	54	54.2
70	55.2	55.2	52.7	52	51.9	52	52.3	52.5	52.7	52.9	53.1	53.2	53.4	53.6
80	54.8	54.8	52.3	51.5	51.4	51.6	51.8	52	52.2	52.4	52.6	52.7	52.9	53
90	54.3	54.3	51.9	51.1	51	51.2	51.4	51.6	51.8	52	52.2	52.3	52.5	52.6
100	54	54	51.5	50.7	50.7	50.8	51.1	51.3	51.5	51.7	51.8	52	52.1	52.3
110	53.6	53.6	51.1	50.4	50.3	50.5	50.7	50.9	51.2	51.3	51.5	51.7	51.8	52
120	53.3	53.3	50.8	50.1	50	50.2	50.4	50.6	50.8	51	51.2	51.4	51.6	51.7
130	52.9	52.9	50.5	49.8	49.7	49.9	50.1	50.3	50.6	50.8	50.9	51.1	51.3	51.4
140	52.6	52.6	50.2	49.4	49.4	49.6	49.8	50	50.3	50.5	50.7	50.8	51	51.2
150	52.3	52.3	49.9	49.2	49.1	49.3	49.5	49.8	50	50.2	50.4	50.6	50.8	50.9
160	52.1	52.1	49.6	48.9	48.8	49	49.3	49.5	49.7	49.9	50.1	50.3	50.5	50.7
170	51.8	51.8	49.3	48.6	48.6	48.8	49	49.2	49.5	49.7	49.9	50.1	50.3	50.4
180	51.5	51.5	49.1	48.4	48.3	48.5	48.7	49	49.2	49.4	49.7	49.8	50	50.2
190	51.3	51.3	48.8	48.1	48.1	48.3	48.5	48.8	49	49.2	49.4	49.6	49.8	50
200	51.1	51.1	48.6	47.9	47.8	48	48.3	48.5	48.8	49	49.2	49.4	49.6	49.7
210	50.8	50.8	48.4	47.7	47.6	47.8	48	48.3	48.5	48.8	49	49.2	49.3	49.5
220	50.6	50.6	48.2	47.4	47.4	47.6	47.8	48.1	48.3	48.5	48.7	48.9	49.1	49.3
230	50.4	50.4	47.9	47.2	47.2	47.4	47.6	47.9	48.1	48.3	48.5	48.7	48.9	49.1
240	50.2	50.2	47.7	47	47	47.2	47.4	47.7	47.9	48.1	48.3	48.5	48.7	48.9
250	50	50	47.5	46.8	46.8	47	47.2	47.5	47.7	47.9	48.1	48.3	48.5	48.7
260	49.8	49.8	47.3	46.6	46.6	46.8	47	47.3	47.5	47.7	47.9	48.1	48.3	48.5
270	49.6	49.6	47.2	46.4	46.4	46.6	46.8	47.1	47.3	47.5	47.7	47.9	48.1	48.3
280	49.4	49.4	47	46.3	46.2	46.4	46.6	46.9	47.1	47.3	47.5	47.7	47.9	48.1
290	49.3	49.3	46.8	46.1	46	46.2	46.5	46.7	46.9	47.2	47.4	47.5	47.7	47.9
300	49.1	49.1	46.6	45.9	45.9	46	46.3	46.5	46.8	47	47.2	47.4	47.5	47.7

* 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	58.1	58.1	55.7	55	55	55.2	55.5	55.8	56.1	56.4	56.7	56.9	57.2	57.5
30	57.1	57.1	54.6	53.9	53.9	54.1	54.3	54.6	54.8	55	55.3	55.5	55.7	55.9
40	56.2	56.2	53.7	53	52.9	53.1	53.3	53.6	53.8	54.1	54.3	54.5	54.7	54.9
50	55.4	55.4	52.9	52.2	52.1	52.3	52.5	52.7	53	53.2	53.4	53.6	53.7	53.9
60	54.8	54.8	52.3	51.5	51.5	51.6	51.8	52	52.3	52.4	52.6	52.8	53	53.1
70	54.3	54.3	51.8	51	50.9	51.1	51.3	51.5	51.7	51.9	52	52.2	52.3	52.5
80	53.8	53.8	51.3	50.6	50.5	50.6	50.8	51	51.2	51.4	51.5	51.7	51.8	51.9
90	53.4	53.4	50.9	50.2	50.1	50.2	50.4	50.6	50.8	51	51.1	51.3	51.4	51.5
100	53	53	50.5	49.8	49.7	49.9	50.1	50.3	50.5	50.6	50.8	50.9	51	51.2
110	52.7	52.7	50.2	49.5	49.4	49.5	49.7	49.9	50.1	50.3	50.5	50.6	50.7	50.8
120	52.3	52.3	49.9	49.1	49	49.2	49.4	49.6	49.8	50	50.2	50.3	50.4	50.6
130	52	52	49.5	48.8	48.7	48.9	49.1	49.3	49.5	49.7	49.9	50	50.2	50.3
140	51.7	51.7	49.2	48.5	48.4	48.6	48.8	49	49.2	49.4	49.6	49.7	49.9	50
150	51.4	51.4	49	48.2	48.2	48.3	48.5	48.8	49	49.2	49.3	49.5	49.6	49.8
160	51.2	51.2	48.7	48	47.9	48	48.3	48.5	48.7	48.9	49.1	49.2	49.4	49.5
170	50.9	50.9	48.4	47.7	47.6	47.8	48	48.2	48.5	48.6	48.8	49	49.1	49.3
180	50.6	50.6	48.2	47.4	47.4	47.5	47.8	48	48.2	48.4	48.6	48.7	48.9	49
190	50.4	50.4	47.9	47.2	47.1	47.3	47.5	47.8	48	48.2	48.3	48.5	48.7	48.8
200	50.2	50.2	47.7	47	46.9	47.1	47.3	47.5	47.7	47.9	48.1	48.3	48.4	48.6
210	49.9	49.9	47.5	46.7	46.7	46.8	47.1	47.3	47.5	47.7	47.9	48	48.2	48.4
220	49.7	49.7	47.2	46.5	46.5	46.6	46.8	47.1	47.3	47.5	47.7	47.8	48	48.1
230	49.5	49.5	47	46.3	46.2	46.4	46.6	46.9	47.1	47.3	47.4	47.6	47.8	47.9
240	49.3	49.3	46.8	46.1	46	46.2	46.4	46.7	46.9	47.1	47.2	47.4	47.6	47.7
250	49.1	49.1	46.6	45.9	45.8	46	46.2	46.5	46.7	46.9	47	47.2	47.4	47.5
260	48.9	48.9	46.4	45.7	45.6	45.8	46	46.3	46.5	46.7	46.8	47	47.2	47.3
270	48.7	48.7	46.2	45.5	45.5	45.6	45.8	46.1	46.3	46.5	46.6	46.8	47	47.1
280	48.5	48.5	46.1	45.3	45.3	45.4	45.7	45.9	46.1	46.3	46.5	46.6	46.8	46.9
290	48.4	48.4	45.9	45.2	45.1	45.3	45.5	45.7	45.9	46.1	46.3	46.4	46.6	46.7
300	48.2	48.2	45.7	45	44.9	45.1	45.3	45.5	45.7	45.9	46.1	46.3	46.4	46.6

* 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	57.3	57.3	54.8	54.2	54.1	54.3	54.6	54.9	55.2	55.4	55.7	55.9	56.2	56.4
30	56.4	56.4	53.9	53.2	53.1	53.3	53.5	53.8	54	54.2	54.4	54.6	54.8	55
40	55.5	55.5	53	52.3	52.2	52.4	52.6	52.9	53.1	53.3	53.6	53.7	53.9	54.1
50	54.7	54.7	52.2	51.5	51.4	51.6	51.8	52.1	52.3	52.5	52.7	52.9	53.1	53.3
60	54	54	51.5	50.8	50.7	50.9	51.1	51.3	51.5	51.7	51.9	52	52.2	52.4
70	53.5	53.5	51	50.2	50.1	50.3	50.5	50.7	50.9	51.1	51.2	51.4	51.5	51.6
80	53	53	50.5	49.8	49.7	49.8	50	50.2	50.4	50.6	50.7	50.8	51	51.1
90	52.6	52.6	50.1	49.4	49.3	49.4	49.6	49.8	50	50.1	50.3	50.4	50.5	50.7
100	52.2	52.2	49.7	49	48.9	49	49.2	49.4	49.6	49.8	49.9	50	50.2	50.3
110	51.9	51.9	49.4	48.6	48.5	48.7	48.9	49.1	49.3	49.4	49.6	49.7	49.8	49.9
120	51.5	51.5	49.1	48.3	48.2	48.4	48.6	48.8	49	49.1	49.3	49.4	49.5	49.6
130	51.2	51.2	48.7	48	47.9	48.1	48.3	48.5	48.7	48.8	49	49.1	49.2	49.4
140	50.9	50.9	48.4	47.7	47.6	47.8	48	48.2	48.4	48.6	48.7	48.8	49	49.1
150	50.6	50.6	48.2	47.4	47.3	47.5	47.7	47.9	48.1	48.3	48.4	48.6	48.7	48.8
160	50.4	50.4	47.9	47.1	47.1	47.2	47.4	47.7	47.9	48	48.2	48.3	48.5	48.6
170	50.1	50.1	47.6	46.9	46.8	47	47.2	47.4	47.6	47.8	47.9	48.1	48.2	48.4
180	49.9	49.9	47.4	46.6	46.6	46.7	46.9	47.2	47.4	47.5	47.7	47.9	48	48.1
190	49.6	49.6	47.1	46.4	46.3	46.5	46.7	46.9	47.1	47.3	47.5	47.6	47.8	47.9
200	49.4	49.4	46.9	46.2	46.1	46.3	46.5	46.7	46.9	47.1	47.3	47.4	47.5	47.7
210	49.2	49.2	46.7	46	45.9	46	46.3	46.5	46.7	46.9	47	47.2	47.3	47.5
220	48.9	48.9	46.5	45.7	45.7	45.8	46	46.3	46.5	46.6	46.8	47	47.1	47.2
230	48.7	48.7	46.3	45.5	45.5	45.6	45.8	46.1	46.3	46.4	46.6	46.8	46.9	47
240	48.5	48.5	46	45.3	45.2	45.4	45.6	45.8	46	46.2	46.4	46.5	46.7	46.8
250	48.3	48.3	45.9	45.1	45	45.2	45.4	45.6	45.9	46	46.2	46.4	46.5	46.6
260	48.1	48.1	45.7	44.9	44.9	45	45.2	45.5	45.7	45.8	46	46.2	46.3	46.4
270	48	48	45.5	44.7	44.7	44.8	45	45.3	45.5	45.7	45.8	46	46.1	46.2
280	47.8	47.8	45.3	44.6	44.5	44.6	44.9	45.1	45.3	45.5	45.6	45.8	45.9	46.1
290	47.6	47.6	45.1	44.4	44.3	44.5	44.7	44.9	45.1	45.3	45.5	45.6	45.7	45.9
300	47.4	47.4	44.9	44.2	44.1	44.3	44.5	44.7	44.9	45.1	45.3	45.4	45.6	45.7

* 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	56.7	56.7	54.3	53.6	53.6	53.8	54.1	54.4	54.7	55	55.3	55.6	55.8	56.1
30	55.8	55.8	53.3	52.6	52.6	52.7	53	53.2	53.5	53.7	53.9	54.1	54.3	54.5
40	54.8	54.8	52.4	51.6	51.6	51.7	52	52.2	52.5	52.7	52.9	53.1	53.2	53.4
50	54.1	54.1	51.6	50.9	50.8	51	51.2	51.5	51.7	52	52.2	52.4	52.6	52.8
60	53.4	53.4	50.9	50.2	50.1	50.3	50.6	50.8	51	51.2	51.5	51.7	51.9	52.1
70	52.9	52.9	50.4	49.6	49.5	49.7	49.9	50.2	50.4	50.6	50.8	50.9	51.1	51.3
80	52.4	52.4	49.9	49.1	49	49.2	49.4	49.6	49.8	50	50.2	50.3	50.5	50.7
90	51.9	51.9	49.4	48.7	48.6	48.7	48.9	49.1	49.3	49.5	49.6	49.8	49.9	50.1
100	51.5	51.5	49	48.3	48.2	48.3	48.5	48.7	48.9	49	49.2	49.3	49.5	49.6
110	51.2	51.2	48.7	47.9	47.8	47.9	48.1	48.3	48.5	48.7	48.8	48.9	49.1	49.2
120	50.8	50.8	48.3	47.6	47.5	47.6	47.8	48	48.2	48.4	48.5	48.6	48.7	48.8
130	50.5	50.5	48	47.3	47.2	47.3	47.5	47.7	47.9	48.1	48.2	48.3	48.4	48.6
140	50.2	50.2	47.7	47	46.9	47	47.2	47.4	47.6	47.8	47.9	48.1	48.2	48.3
150	49.9	49.9	47.4	46.7	46.6	46.8	47	47.2	47.4	47.5	47.7	47.8	47.9	48
160	49.7	49.7	47.2	46.4	46.4	46.5	46.7	46.9	47.1	47.3	47.4	47.6	47.7	47.8
170	49.4	49.4	46.9	46.2	46.1	46.3	46.5	46.7	46.9	47	47.2	47.3	47.5	47.6
180	49.2	49.2	46.7	45.9	45.9	46	46.2	46.4	46.6	46.8	47	47.1	47.2	47.4
190	48.9	48.9	46.4	45.7	45.6	45.8	46	46.2	46.4	46.6	46.8	46.9	47	47.2
200	48.7	48.7	46.2	45.5	45.4	45.6	45.8	46	46.2	46.4	46.5	46.7	46.8	47
210	48.5	48.5	46	45.3	45.2	45.3	45.6	45.8	46	46.2	46.3	46.5	46.6	46.7
220	48.3	48.3	45.8	45	45	45.1	45.3	45.6	45.8	45.9	46.1	46.3	46.4	46.5
230	48.1	48.1	45.6	44.8	44.8	44.9	45.1	45.4	45.6	45.7	45.9	46.1	46.2	46.3
240	47.9	47.9	45.4	44.6	44.6	44.7	44.9	45.2	45.4	45.5	45.7	45.9	46	46.1
250	47.7	47.7	45.2	44.4	44.4	44.5	44.7	45	45.2	45.4	45.5	45.7	45.8	45.9
260	47.5	47.5	45	44.3	44.2	44.3	44.6	44.8	45	45.2	45.3	45.5	45.6	45.8
270	47.3	47.3	44.8	44.1	44	44.2	44.4	44.6	44.8	45	45.1	45.3	45.4	45.6
280	47.1	47.1	44.6	43.9	43.8	44	44.2	44.4	44.6	44.8	45	45.1	45.3	45.4
290	46.9	46.9	44.4	43.7	43.6	43.8	44	44.2	44.4	44.6	44.8	44.9	45.1	45.2
300	46.8	46.8	44.3	43.5	43.5	43.6	43.8	44.1	44.3	44.4	44.6	44.8	44.9	45

* 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	65	65	62.7	62.2	62.4	62.8	63.3	63.8	64.4	64.9	65.4	65.9	66.4	66.9
30	63	63	60.6	60	60.1	60.5	60.9	61.4	61.9	62.3	62.8	63.3	63.7	64.2
40	61.5	61.5	59.2	58.6	58.6	58.9	59.3	59.7	60.2	60.6	61	61.5	61.9	62.3
50	60.4	60.4	58	57.4	57.4	57.7	58.1	58.4	58.8	59.2	59.6	60	60.4	60.8
60	59.4	59.4	57	56.3	56.4	56.6	57	57.3	57.7	58	58.4	58.8	59.1	59.5
70	58.6	58.6	56.2	55.5	55.5	55.7	56	56.3	56.7	57	57.3	57.6	58	58.3
80	57.9	57.9	55.4	54.7	54.6	54.9	55.1	55.4	55.7	56	56.3	56.6	56.9	57.2
90	57.2	57.2	54.7	54	53.9	54.1	54.4	54.6	54.9	55.2	55.4	55.7	56	56.2
100	56.6	56.6	54.1	53.4	53.3	53.5	53.7	53.9	54.2	54.4	54.6	54.9	55.1	55.3
110	56.1	56.1	53.6	52.8	52.7	52.9	53.1	53.3	53.5	53.7	53.9	54.1	54.3	54.5
120	55.6	55.6	53.1	52.3	52.2	52.3	52.5	52.7	52.9	53.1	53.3	53.4	53.6	53.8
130	55.2	55.2	52.6	51.9	51.7	51.9	52	52.2	52.4	52.5	52.7	52.8	53	53.1
140	54.8	54.8	52.2	51.4	51.3	51.4	51.6	51.7	51.9	52	52.2	52.3	52.4	52.5
150	54.4	54.4	51.9	51.1	50.9	51	51.2	51.3	51.4	51.6	51.7	51.8	51.9	52
160	54.1	54.1	51.5	50.7	50.6	50.6	50.8	50.9	51	51.1	51.2	51.3	51.4	51.5
170	53.7	53.7	51.2	50.4	50.2	50.3	50.4	50.6	50.7	50.8	50.8	50.9	50.9	51
180	53.4	53.4	50.9	50.1	49.9	50	50.1	50.2	50.3	50.4	50.5	50.5	50.5	50.6
190	53.2	53.2	50.6	49.8	49.6	49.7	49.8	49.9	50	50.1	50.1	50.1	50.2	50.2
200	52.9	52.9	50.3	49.5	49.3	49.4	49.5	49.6	49.7	49.7	49.8	49.8	49.8	49.8
210	52.7	52.7	50.1	49.3	49.1	49.1	49.2	49.3	49.4	49.5	49.5	49.5	49.5	49.5
220	52.4	52.4	49.8	49	48.8	48.9	49	49.1	49.1	49.2	49.2	49.2	49.2	49.2
230	52.2	52.2	49.6	48.8	48.6	48.7	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9
240	52	52	49.4	48.6	48.4	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.6	48.6
250	51.8	51.8	49.2	48.4	48.2	48.2	48.3	48.4	48.4	48.5	48.5	48.4	48.4	48.3
260	51.6	51.6	49	48.2	48	48	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.1
270	51.4	51.4	48.8	48	47.8	47.8	47.9	48	48	48	48	48	47.9	47.9
280	51.2	51.2	48.6	47.8	47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.7	47.6
290	51.1	51.1	48.5	47.6	47.4	47.5	47.5	47.6	47.6	47.7	47.6	47.6	47.5	47.4
300	50.9	50.9	48.3	47.5	47.3	47.3	47.4	47.4	47.5	47.5	47.5	47.4	47.3	47.3

* 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	62.9	62.9	60.5	59.9	60	60.3	60.7	61.1	61.5	61.9	62.3	62.7	63	63.4
30	61	61	58.6	58	58	58.3	58.6	59	59.4	59.7	60.1	60.5	60.8	61.2
40	59.8	59.8	57.4	56.7	56.7	56.9	57.2	57.5	57.9	58.2	58.5	58.9	59.2	59.6
50	58.8	58.8	56.3	55.6	55.6	55.8	56.1	56.4	56.7	57	57.3	57.6	57.9	58.3
60	57.9	57.9	55.5	54.7	54.7	54.9	55.1	55.4	55.7	56	56.3	56.5	56.8	57.1
70	57.2	57.2	54.7	54	53.9	54.1	54.3	54.6	54.8	55.1	55.3	55.6	55.8	56.1
80	56.5	56.5	54	53.3	53.2	53.3	53.6	53.8	54	54.3	54.5	54.7	55	55.2
90	55.9	55.9	53.4	52.6	52.5	52.7	52.9	53.1	53.3	53.5	53.7	53.9	54.1	54.4
100	55.4	55.4	52.8	52.1	52	52.1	52.3	52.5	52.7	52.9	53	53.2	53.4	53.6
110	54.9	54.9	52.3	51.5	51.4	51.5	51.7	51.9	52.1	52.2	52.4	52.5	52.7	52.9
120	54.4	54.4	51.9	51.1	50.9	51	51.2	51.4	51.5	51.7	51.8	51.9	52.1	52.2
130	54	54	51.4	50.7	50.5	50.6	50.7	50.9	51	51.2	51.3	51.4	51.5	51.6
140	53.6	53.6	51.1	50.3	50.1	50.2	50.3	50.5	50.6	50.7	50.8	50.9	51	51.1
150	53.3	53.3	50.7	49.9	49.7	49.8	49.9	50.1	50.2	50.3	50.4	50.4	50.5	50.6
160	52.9	52.9	50.4	49.6	49.4	49.5	49.6	49.7	49.8	49.9	50	50	50	50.1
170	52.6	52.6	50.1	49.2	49.1	49.1	49.3	49.4	49.5	49.5	49.6	49.6	49.6	49.7
180	52.3	52.3	49.8	49	48.8	48.8	48.9	49.1	49.1	49.2	49.2	49.3	49.3	49.3
190	52.1	52.1	49.5	48.7	48.5	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9
200	51.8	51.8	49.2	48.4	48.2	48.3	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.6
210	51.6	51.6	49	48.2	48	48	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3
220	51.3	51.3	48.8	47.9	47.8	47.8	47.9	48	48	48	48	48	48	48
230	51.1	51.1	48.5	47.7	47.5	47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.7	47.7
240	50.9	50.9	48.3	47.5	47.3	47.3	47.4	47.5	47.5	47.6	47.6	47.5	47.5	47.4
250	50.7	50.7	48.1	47.3	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.2	47.2
260	50.5	50.5	47.9	47.1	46.9	46.9	47	47.1	47.1	47.1	47.1	47.1	47	46.9
270	50.3	50.3	47.8	46.9	46.7	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.8	46.7
280	50.2	50.2	47.6	46.7	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.6	46.5
290	50	50	47.4	46.6	46.4	46.4	46.5	46.5	46.6	46.5	46.5	46.5	46.4	46.3
300	49.8	49.8	47.2	46.4	46.2	46.2	46.3	46.3	46.4	46.4	46.3	46.3	46.2	46.1

* 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	61.5	61.5	59.1	58.5	58.5	58.7	59.1	59.4	59.7	60.1	60.4	60.7	61	61.4
30	59.7	59.7	57.3	56.6	56.6	56.8	57.2	57.5	57.8	58.2	58.5	58.8	59.2	59.5
40	58.5	58.5	56.1	55.4	55.3	55.5	55.8	56.1	56.4	56.7	57	57.3	57.6	58
50	57.6	57.6	55.1	54.4	54.3	54.5	54.8	55	55.3	55.6	55.8	56.1	56.4	56.7
60	56.8	56.8	54.3	53.5	53.5	53.6	53.9	54.1	54.4	54.6	54.8	55.1	55.3	55.6
70	56.1	56.1	53.5	52.8	52.7	52.9	53.1	53.3	53.5	53.8	54	54.2	54.4	54.7
80	55.4	55.4	52.9	52.1	52	52.2	52.4	52.6	52.8	53	53.2	53.4	53.6	53.8
90	54.8	54.8	52.3	51.5	51.4	51.6	51.7	51.9	52.1	52.3	52.5	52.7	52.8	53
100	54.3	54.3	51.8	51	50.9	51	51.2	51.4	51.5	51.7	51.8	52	52.2	52.3
110	53.8	53.8	51.3	50.5	50.4	50.5	50.6	50.8	51	51.1	51.2	51.4	51.5	51.7
120	53.4	53.4	50.8	50	49.9	50	50.2	50.3	50.5	50.6	50.7	50.8	50.9	51
130	53	53	50.4	49.6	49.5	49.6	49.7	49.9	50	50.1	50.2	50.3	50.4	50.5
140	52.6	52.6	50	49.2	49.1	49.2	49.3	49.4	49.6	49.7	49.7	49.8	49.9	50
150	52.3	52.3	49.7	48.9	48.7	48.8	48.9	49	49.1	49.2	49.3	49.4	49.4	49.5
160	51.9	51.9	49.4	48.6	48.4	48.4	48.6	48.7	48.8	48.9	48.9	49	49	49
170	51.6	51.6	49.1	48.2	48.1	48.1	48.2	48.4	48.4	48.5	48.5	48.6	48.6	48.6
180	51.3	51.3	48.8	48	47.8	47.8	47.9	48	48.1	48.2	48.2	48.2	48.2	48.3
190	51.1	51.1	48.5	47.7	47.5	47.6	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9
200	50.8	50.8	48.3	47.4	47.2	47.3	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.6
210	50.6	50.6	48	47.2	47	47	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3
220	50.4	50.4	47.8	46.9	46.8	46.8	46.9	47	47	47.1	47.1	47	47	47
230	50.1	50.1	47.6	46.7	46.5	46.6	46.7	46.7	46.8	46.8	46.8	46.8	46.7	46.7
240	49.9	49.9	47.3	46.5	46.3	46.3	46.4	46.5	46.6	46.6	46.6	46.5	46.5	46.4
250	49.7	49.7	47.1	46.3	46.1	46.1	46.2	46.3	46.3	46.4	46.3	46.3	46.2	46.2
260	49.5	49.5	47	46.1	45.9	45.9	46	46.1	46.1	46.1	46.1	46.1	46	45.9
270	49.4	49.4	46.8	45.9	45.7	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.8	45.7
280	49.2	49.2	46.6	45.7	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.6	45.5
290	49	49	46.4	45.6	45.4	45.4	45.5	45.5	45.6	45.6	45.5	45.5	45.4	45.3
300	48.8	48.8	46.2	45.4	45.2	45.2	45.3	45.4	45.4	45.4	45.3	45.3	45.2	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	60.3	60.3	57.9	57.2	57.2	57.4	57.7	58	58.3	58.6	58.8	59.1	59.4	59.7
30	58.6	58.6	56.1	55.4	55.4	55.6	55.9	56.2	56.5	56.8	57.1	57.4	57.7	58
40	57.4	57.4	54.9	54.2	54.2	54.3	54.6	54.9	55.2	55.4	55.7	56	56.2	56.5
50	56.5	56.5	54	53.2	53.2	53.3	53.6	53.8	54.1	54.3	54.5	54.8	55	55.3
60	55.7	55.7	53.2	52.5	52.4	52.5	52.7	53	53.2	53.4	53.6	53.8	54	54.3
70	55	55	52.5	51.8	51.7	51.8	52	52.2	52.4	52.6	52.8	53	53.2	53.4
80	54.4	54.4	51.9	51.1	51	51.1	51.3	51.5	51.7	51.9	52.1	52.2	52.4	52.6
90	53.9	53.9	51.3	50.5	50.4	50.5	50.7	50.9	51.1	51.2	51.4	51.5	51.7	51.9
100	53.4	53.4	50.8	50	49.9	50	50.2	50.3	50.5	50.6	50.8	50.9	51	51.2
110	52.9	52.9	50.3	49.6	49.4	49.5	49.7	49.8	50	50.1	50.2	50.3	50.5	50.6
120	52.5	52.5	49.9	49.1	49	49	49.2	49.3	49.5	49.6	49.7	49.8	49.9	50
130	52.1	52.1	49.5	48.7	48.5	48.6	48.8	48.9	49	49.1	49.2	49.3	49.4	49.5
140	51.7	51.7	49.1	48.3	48.2	48.2	48.4	48.5	48.6	48.7	48.8	48.8	48.9	49
150	51.3	51.3	48.8	48	47.8	47.9	48	48.1	48.2	48.3	48.4	48.4	48.5	48.5
160	51	51	48.4	47.6	47.5	47.5	47.6	47.7	47.8	47.9	48	48	48	48.1
170	50.7	50.7	48.1	47.3	47.1	47.2	47.3	47.4	47.5	47.6	47.6	47.6	47.7	47.7
180	50.4	50.4	47.9	47	46.9	46.9	47	47.1	47.2	47.2	47.3	47.3	47.3	47.3
190	50.2	50.2	47.6	46.8	46.6	46.6	46.7	46.8	46.9	46.9	47	47	47	47
200	49.9	49.9	47.3	46.5	46.3	46.4	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.6
210	49.7	49.7	47.1	46.3	46.1	46.1	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.3
220	49.4	49.4	46.9	46	45.8	45.9	46	46	46.1	46.1	46.1	46.1	46.1	46.1
230	49.2	49.2	46.6	45.8	45.6	45.6	45.7	45.8	45.9	45.9	45.9	45.9	45.8	45.8
240	49	49	46.4	45.6	45.4	45.4	45.5	45.6	45.6	45.7	45.7	45.6	45.6	45.5
250	48.8	48.8	46.2	45.4	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.3	45.3
260	48.6	48.6	46	45.2	45	45	45.1	45.2	45.2	45.2	45.2	45.2	45.1	45
270	48.4	48.4	45.8	45	44.8	44.8	44.9	45	45	45	45	45	44.9	44.8
280	48.2	48.2	45.7	44.8	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.7	44.6
290	48.1	48.1	45.5	44.6	44.4	44.4	44.5	44.5	44.6	44.6	44.6	44.6	44.5	44.4
300	47.9	47.9	45.3	44.5	44.3	44.3	44.4	44.4	44.5	44.5	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	59.1	59.1	56.7	56	55.9	56.1	56.4	56.7	57	57.3	57.5	57.8	58	58.3
30	57.6	57.6	55.2	54.5	54.4	54.6	54.9	55.2	55.4	55.7	55.9	56.2	56.4	56.7
40	56.5	56.5	54	53.3	53.2	53.4	53.7	53.9	54.2	54.5	54.7	55	55.2	55.5
50	55.5	55.5	53	52.3	52.2	52.4	52.6	52.9	53.1	53.3	53.6	53.8	54	54.2
60	54.8	54.8	52.3	51.5	51.4	51.6	51.8	52	52.2	52.4	52.6	52.8	53	53.2
70	54.1	54.1	51.6	50.8	50.7	50.9	51	51.2	51.4	51.6	51.8	52	52.2	52.3
80	53.5	53.5	51	50.2	50.1	50.2	50.4	50.6	50.8	50.9	51.1	51.2	51.4	51.6
90	53	53	50.4	49.7	49.5	49.6	49.8	50	50.1	50.3	50.4	50.6	50.7	50.9
100	52.5	52.5	49.9	49.1	49	49.1	49.3	49.4	49.6	49.7	49.8	49.9	50.1	50.2
110	52	52	49.5	48.7	48.5	48.6	48.8	48.9	49	49.2	49.3	49.4	49.5	49.6
120	51.6	51.6	49	48.2	48.1	48.2	48.3	48.4	48.6	48.7	48.8	48.9	48.9	49
130	51.2	51.2	48.6	47.8	47.7	47.7	47.9	48	48.1	48.2	48.3	48.4	48.4	48.5
140	50.8	50.8	48.3	47.4	47.3	47.3	47.5	47.6	47.7	47.8	47.9	47.9	48	48
150	50.5	50.5	47.9	47.1	46.9	47	47.1	47.2	47.3	47.4	47.5	47.5	47.5	47.6
160	50.1	50.1	47.6	46.8	46.6	46.7	46.8	46.9	47	47	47.1	47.1	47.1	47.2
170	49.8	49.8	47.3	46.5	46.3	46.3	46.4	46.6	46.6	46.7	46.7	46.8	46.8	46.8
180	49.6	49.6	47	46.2	46	46	46.1	46.2	46.3	46.4	46.4	46.4	46.4	46.4
190	49.3	49.3	46.7	45.9	45.7	45.8	45.9	46	46	46.1	46.1	46.1	46.1	46.1
200	49	49	46.5	45.6	45.5	45.5	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8
210	48.8	48.8	46.2	45.4	45.2	45.3	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5
220	48.6	48.6	46	45.2	45	45	45.1	45.2	45.3	45.3	45.3	45.3	45.2	45.2
230	48.3	48.3	45.8	44.9	44.8	44.8	44.9	45	45	45	45	45	45	44.9
240	48.1	48.1	45.6	44.7	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.7	44.7
250	47.9	47.9	45.4	44.5	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.5	44.5	44.4
260	47.7	47.7	45.2	44.3	44.1	44.2	44.2	44.3	44.4	44.4	44.4	44.3	44.3	44.2
270	47.6	47.6	45	44.1	43.9	44	44.1	44.1	44.2	44.2	44.2	44.1	44	44
280	47.4	47.4	44.8	44	43.8	43.8	43.9	43.9	44	44	44	43.9	43.8	43.8
290	47.2	47.2	44.6	43.8	43.6	43.6	43.7	43.7	43.8	43.8	43.8	43.7	43.6	43.6
300	47	47	44.5	43.6	43.4	43.4	43.5	43.6	43.6	43.6	43.6	43.5	43.4	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	58	58	55.6	54.9	54.9	55.1	55.3	55.6	55.9	56.2	56.5	56.7	57	57.2
30	56.8	56.8	54.4	53.7	53.6	53.8	54.1	54.3	54.6	54.8	55.1	55.3	55.6	55.8
40	55.6	55.6	53.2	52.4	52.4	52.5	52.8	53.1	53.3	53.6	53.8	54	54.3	54.5
50	54.7	54.7	52.2	51.5	51.4	51.6	51.8	52.1	52.3	52.5	52.8	53	53.2	53.5
60	54	54	51.5	50.7	50.6	50.8	51	51.2	51.4	51.6	51.8	52	52.3	52.5
70	53.3	53.3	50.8	50	49.9	50.1	50.2	50.5	50.7	50.8	51	51.2	51.4	51.6
80	52.7	52.7	50.2	49.4	49.3	49.4	49.6	49.8	50	50.2	50.3	50.5	50.7	50.8
90	52.2	52.2	49.6	48.9	48.7	48.8	49	49.2	49.4	49.5	49.7	49.8	50	50.2
100	51.7	51.7	49.1	48.3	48.2	48.3	48.5	48.7	48.8	49	49.1	49.2	49.4	49.5
110	51.2	51.2	48.7	47.9	47.7	47.8	48	48.2	48.3	48.4	48.6	48.7	48.8	48.9
120	50.8	50.8	48.2	47.4	47.3	47.4	47.5	47.7	47.8	48	48.1	48.2	48.3	48.4
130	50.4	50.4	47.8	47	46.9	47	47.1	47.3	47.4	47.5	47.6	47.7	47.8	47.9
140	50	50	47.5	46.7	46.5	46.6	46.7	46.9	47	47.1	47.2	47.2	47.3	47.4
150	49.7	49.7	47.1	46.3	46.2	46.2	46.4	46.5	46.6	46.7	46.8	46.8	46.9	47
160	49.4	49.4	46.8	46	45.8	45.9	46	46.1	46.2	46.3	46.4	46.4	46.5	46.5
170	49.1	49.1	46.5	45.7	45.5	45.6	45.7	45.8	45.9	46	46	46.1	46.1	46.2
180	48.8	48.8	46.2	45.4	45.2	45.3	45.4	45.5	45.6	45.7	45.7	45.8	45.8	45.8
190	48.5	48.5	45.9	45.1	45	45	45.1	45.2	45.3	45.4	45.4	45.4	45.5	45.5
200	48.3	48.3	45.7	44.9	44.7	44.7	44.8	45	45	45.1	45.1	45.1	45.1	45.2
210	48	48	45.4	44.6	44.4	44.5	44.6	44.7	44.8	44.8	44.8	44.9	44.9	44.9
220	47.8	47.8	45.2	44.4	44.2	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6
230	47.6	47.6	45	44.2	44	44	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3
240	47.4	47.4	44.8	44	43.8	43.8	43.9	44	44.1	44.1	44.1	44.1	44.1	44
250	47.2	47.2	44.6	43.7	43.6	43.6	43.7	43.8	43.8	43.9	43.9	43.9	43.8	43.8
260	47	47	44.4	43.5	43.4	43.4	43.5	43.6	43.6	43.7	43.7	43.6	43.6	43.6
270	46.8	46.8	44.2	43.4	43.2	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.3
280	46.6	46.6	44	43.2	43	43	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.1
290	46.4	46.4	43.8	43	42.8	42.8	42.9	43	43	43.1	43	43	43	42.9
300	46.2	46.2	43.7	42.8	42.6	42.7	42.7	42.8	42.9	42.9	42.9	42.8	42.8	42.7

* 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	57	57	54.5	53.8	53.8	54	54.3	54.5	54.8	55.1	55.3	55.5	55.8	56
30	56	56	53.5	52.8	52.7	52.9	53.1	53.4	53.6	53.8	54.1	54.3	54.5	54.7
40	54.9	54.9	52.4	51.7	51.6	51.8	52	52.2	52.5	52.7	52.9	53.1	53.3	53.5
50	54	54	51.5	50.7	50.6	50.8	51	51.2	51.4	51.6	51.8	52	52.2	52.4
60	53.2	53.2	50.7	49.9	49.8	49.9	50.1	50.3	50.5	50.7	50.9	51.1	51.3	51.5
70	52.5	52.5	50	49.2	49.1	49.2	49.4	49.6	49.8	49.9	50.1	50.3	50.4	50.6
80	51.9	51.9	49.4	48.6	48.5	48.6	48.8	48.9	49.1	49.3	49.4	49.6	49.7	49.9
90	51.4	51.4	48.9	48.1	47.9	48	48.2	48.4	48.5	48.7	48.8	48.9	49	49.2
100	50.9	50.9	48.4	47.6	47.4	47.5	47.7	47.8	48	48.1	48.2	48.3	48.4	48.6
110	50.5	50.5	47.9	47.1	47	47	47.2	47.3	47.5	47.6	47.7	47.8	47.9	48
120	50	50	47.5	46.7	46.5	46.6	46.7	46.9	47	47.1	47.2	47.3	47.4	47.5
130	49.6	49.6	47.1	46.3	46.1	46.2	46.3	46.5	46.6	46.7	46.8	46.8	46.9	47
140	49.3	49.3	46.7	45.9	45.8	45.8	45.9	46.1	46.2	46.3	46.3	46.4	46.5	46.5
150	48.9	48.9	46.4	45.6	45.4	45.5	45.6	45.7	45.8	45.9	45.9	46	46	46.1
160	48.6	48.6	46	45.2	45.1	45.1	45.2	45.4	45.5	45.5	45.6	45.6	45.6	45.7
170	48.3	48.3	45.8	44.9	44.8	44.8	44.9	45	45.1	45.2	45.2	45.3	45.3	45.3
180	48	48	45.5	44.6	44.5	44.5	44.6	44.7	44.8	44.9	44.9	44.9	45	45
190	47.8	47.8	45.2	44.4	44.2	44.2	44.4	44.5	44.5	44.6	44.6	44.6	44.6	44.6
200	47.5	47.5	44.9	44.1	43.9	44	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3
210	47.3	47.3	44.7	43.9	43.7	43.7	43.8	43.9	44	44	44.1	44.1	44.1	44
220	47	47	44.5	43.6	43.5	43.5	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8
230	46.8	46.8	44.2	43.4	43.2	43.3	43.4	43.5	43.5	43.6	43.6	43.6	43.5	43.5
240	46.6	46.6	44	43.2	43	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3
250	46.4	46.4	43.8	43	42.8	42.9	42.9	43	43.1	43.1	43.1	43.1	43.1	43
260	46.2	46.2	43.6	42.8	42.6	42.7	42.7	42.8	42.9	42.9	42.9	42.9	42.8	42.8
270	46	46	43.4	42.6	42.4	42.5	42.5	42.6	42.7	42.7	42.7	42.7	42.6	42.6
280	45.8	45.8	43.3	42.4	42.2	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.4	42.4
290	45.7	45.7	43.1	42.3	42.1	42.1	42.2	42.2	42.3	42.3	42.3	42.3	42.2	42.1
300	45.5	45.5	42.9	42.1	41.9	41.9	42	42.1	42.1	42.1	42.1	42.1	42	41.9

* 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	56.1	56.1	53.7	53	52.9	53.1	53.4	53.6	53.9	54.1	54.4	54.6	54.8	55
30	55.3	55.3	52.8	52.1	52	52.2	52.4	52.7	52.9	53.1	53.3	53.5	53.7	53.9
40	54.2	54.2	51.7	51	50.9	51.1	51.3	51.5	51.8	52	52.2	52.4	52.6	52.7
50	53.3	53.3	50.8	50.1	50	50.2	50.4	50.6	50.8	51	51.2	51.4	51.6	51.8
60	52.5	52.5	50	49.3	49.2	49.3	49.5	49.7	49.9	50.1	50.3	50.5	50.6	50.8
70	51.8	51.8	49.3	48.5	48.4	48.6	48.7	48.9	49.1	49.3	49.4	49.6	49.7	49.9
80	51.2	51.2	48.7	47.9	47.8	47.9	48.1	48.3	48.4	48.6	48.7	48.9	49	49.1
90	50.7	50.7	48.2	47.4	47.3	47.4	47.5	47.7	47.8	48	48.1	48.2	48.3	48.5
100	50.2	50.2	47.7	46.9	46.8	46.8	47	47.2	47.3	47.4	47.5	47.6	47.8	47.9
110	49.8	49.8	47.2	46.4	46.3	46.4	46.5	46.7	46.8	46.9	47	47.1	47.2	47.3
120	49.4	49.4	46.8	46	45.9	45.9	46.1	46.2	46.4	46.5	46.6	46.6	46.7	46.8
130	49	49	46.4	45.6	45.5	45.5	45.7	45.8	45.9	46	46.1	46.2	46.3	46.3
140	48.6	48.6	46.1	45.2	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.8	45.9
150	48.3	48.3	45.7	44.9	44.7	44.8	44.9	45.1	45.2	45.2	45.3	45.4	45.4	45.5
160	48	48	45.4	44.6	44.4	44.5	44.6	44.7	44.8	44.9	44.9	45	45	45.1
170	47.7	47.7	45.1	44.3	44.1	44.2	44.3	44.4	44.5	44.6	44.6	44.6	44.7	44.7
180	47.4	47.4	44.8	44	43.8	43.9	44	44.1	44.2	44.2	44.3	44.3	44.3	44.4
190	47.1	47.1	44.5	43.7	43.5	43.6	43.7	43.8	43.9	44	44	44	44	44
200	46.8	46.8	44.3	43.5	43.3	43.3	43.4	43.5	43.6	43.7	43.7	43.7	43.7	43.7
210	46.6	46.6	44	43.2	43	43.1	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4
220	46.4	46.4	43.8	43	42.8	42.8	42.9	43	43.1	43.2	43.2	43.2	43.2	43.2
230	46.2	46.2	43.6	42.8	42.6	42.6	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9
240	45.9	45.9	43.4	42.5	42.4	42.4	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7
250	45.7	45.7	43.2	42.3	42.2	42.2	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.4
260	45.5	45.5	43	42.1	42	42	42.1	42.2	42.2	42.3	42.3	42.3	42.2	42.2
270	45.4	45.4	42.8	41.9	41.8	41.8	41.9	42	42	42.1	42.1	42	42	42
280	45.2	45.2	42.6	41.8	41.6	41.6	41.7	41.8	41.8	41.9	41.9	41.8	41.8	41.8
290	45	45	42.4	41.6	41.4	41.4	41.5	41.6	41.7	41.7	41.7	41.6	41.6	41.6
300	44.8	44.8	42.2	41.4	41.2	41.3	41.3	41.4	41.5	41.5	41.5	41.5	41.4	41.4

* 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	55.5	55.5	53	52.4	52.3	52.5	52.8	53.1	53.4	53.7	53.9	54.2	54.5	54.7
30	54.7	54.7	52.2	51.5	51.5	51.6	51.9	52.1	52.3	52.6	52.8	53	53.2	53.4
40	53.7	53.7	51.2	50.4	50.4	50.5	50.7	51	51.2	51.4	51.6	51.8	52	52.2
50	52.7	52.7	50.2	49.5	49.4	49.6	49.8	50	50.2	50.5	50.7	50.9	51	51.3
60	52	52	49.5	48.7	48.6	48.8	49	49.2	49.4	49.7	49.9	50.1	50.2	50.5
70	51.3	51.3	48.8	48	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.2	49.4	49.6
80	50.7	50.7	48.2	47.4	47.3	47.4	47.6	47.8	48	48.2	48.4	48.5	48.7	48.9
90	50.1	50.1	47.6	46.8	46.7	46.8	47	47.2	47.4	47.6	47.7	47.9	48	48.2
100	49.7	49.7	47.1	46.3	46.2	46.3	46.5	46.7	46.9	47	47.1	47.3	47.4	47.6
110	49.2	49.2	46.7	45.9	45.8	45.9	46	46.2	46.4	46.5	46.6	46.7	46.9	47
120	48.8	48.8	46.3	45.5	45.3	45.4	45.6	45.7	45.9	46	46.1	46.2	46.4	46.5
130	48.4	48.4	45.9	45.1	44.9	45	45.2	45.3	45.5	45.6	45.7	45.8	45.9	46
140	48	48	45.5	44.7	44.5	44.6	44.8	44.9	45	45.2	45.3	45.3	45.4	45.5
150	47.7	47.7	45.1	44.3	44.2	44.3	44.4	44.5	44.7	44.8	44.9	44.9	45	45.1
160	47.4	47.4	44.8	44	43.9	43.9	44.1	44.2	44.3	44.4	44.5	44.6	44.6	44.7
170	47.1	47.1	44.5	43.7	43.6	43.6	43.7	43.9	44	44.1	44.1	44.2	44.3	44.3
180	46.8	46.8	44.2	43.4	43.3	43.3	43.4	43.6	43.7	43.8	43.8	43.9	43.9	44
190	46.5	46.5	44	43.1	43	43	43.2	43.3	43.4	43.5	43.5	43.6	43.6	43.6
200	46.3	46.3	43.7	42.9	42.7	42.8	42.9	43	43.1	43.2	43.2	43.3	43.3	43.3
210	46	46	43.4	42.6	42.5	42.5	42.6	42.7	42.8	42.9	43	43	43	43
220	45.8	45.8	43.2	42.4	42.2	42.3	42.4	42.5	42.6	42.7	42.7	42.7	42.7	42.8
230	45.6	45.6	43	42.2	42	42.1	42.2	42.3	42.4	42.4	42.4	42.5	42.5	42.5
240	45.3	45.3	42.8	42	41.8	41.8	41.9	42	42.1	42.2	42.2	42.2	42.2	42.2
250	45.1	45.1	42.6	41.7	41.6	41.6	41.7	41.8	41.9	42	42	42	42	42
260	44.9	44.9	42.4	41.6	41.4	41.4	41.5	41.6	41.7	41.7	41.8	41.8	41.8	41.8
270	44.8	44.8	42.2	41.4	41.2	41.2	41.3	41.4	41.5	41.5	41.6	41.6	41.6	41.5
280	44.6	44.6	42	41.2	41	41	41.1	41.2	41.3	41.3	41.4	41.4	41.3	41.3
290	44.4	44.4	41.8	41	40.8	40.8	40.9	41	41.1	41.1	41.2	41.2	41.1	41.1
300	44.2	44.2	41.6	40.8	40.6	40.7	40.8	40.9	40.9	41	41	41	40.9	40.9

* 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	54.3	54.3	53.5	56.3	59.6	62.4	64.8	66.8	68.6	70.2	71.7	73	74.2	75.3
30	53.1	53.1	52.3	55.1	58.4	61.2	63.6	65.7	67.5	69.1	70.5	71.9	73.1	74.2
40	52.5	52.5	51.7	54.5	57.8	60.6	63	65	66.8	68.4	69.9	71.2	72.4	73.5
50	51.9	51.9	51.2	54	57.2	60	62.4	64.4	66.2	67.8	69.2	70.5	71.7	72.8
60	51.4	51.4	50.6	53.4	56.6	59.4	61.8	63.9	65.6	67.2	68.6	69.9	71.1	72.2
70	50.8	50.8	50.1	52.8	56.1	58.9	61.3	63.3	65.1	66.7	68.1	69.4	70.5	71.6
80	50.3	50.3	49.6	52.3	55.6	58.4	60.8	62.8	64.6	66.2	67.6	68.9	70	71.1
90	49.9	49.9	49.1	51.9	55.1	57.9	60.3	62.3	64.1	65.7	67.1	68.4	69.5	70.6
100	49.4	49.4	48.7	51.4	54.7	57.5	59.8	61.9	63.7	65.2	66.7	67.9	69.1	70.2
110	49	49	48.3	51	54.2	57.1	59.4	61.5	63.2	64.8	66.2	67.5	68.7	69.8
120	48.6	48.6	47.9	50.6	53.9	56.7	59	61.1	62.9	64.4	65.9	67.1	68.3	69.4
130	48.3	48.3	47.5	50.3	53.5	56.3	58.7	60.7	62.5	64.1	65.5	66.8	67.9	69
140	47.9	47.9	47.2	49.9	53.2	56	58.3	60.4	62.2	63.7	65.2	66.4	67.6	68.7
150	47.6	47.6	46.9	49.6	52.8	55.6	58	60.1	61.8	63.4	64.8	66.1	67.3	68.4
160	47.3	47.3	46.5	49.3	52.5	55.3	57.7	59.8	61.5	63.1	64.5	65.8	67	68.1
170	47	47	46.3	49	52.2	55.1	57.4	59.5	61.3	62.8	64.2	65.5	66.7	67.8
180	46.7	46.7	46	48.8	52	54.8	57.2	59.2	61	62.6	64	65.3	66.4	67.5
190	46.5	46.5	45.7	48.5	51.7	54.5	56.9	58.9	60.7	62.3	63.7	65	66.2	67.2
200	46.2	46.2	45.5	48.2	51.5	54.3	56.6	58.7	60.5	62	63.5	64.7	65.9	67
210	46	46	45.2	48	51.2	54	56.4	58.4	60.2	61.8	63.2	64.5	65.7	66.8
220	45.7	45.7	45	47.8	51	53.8	56.2	58.2	60	61.6	63	64.3	65.4	66.5
230	45.5	45.5	44.8	47.5	50.8	53.6	55.9	58	59.8	61.3	62.8	64	65.2	66.3
240	45.3	45.3	44.5	47.3	50.5	53.3	55.7	57.8	59.5	61.1	62.5	63.8	65	66.1
250	45.1	45.1	44.3	47.1	50.3	53.1	55.5	57.6	59.3	60.9	62.3	63.6	64.8	65.9
260	44.9	44.9	44.1	46.9	50.1	52.9	55.3	57.4	59.1	60.7	62.1	63.4	64.6	65.7
270	44.7	44.7	43.9	46.7	49.9	52.7	55.1	57.2	58.9	60.5	61.9	63.2	64.4	65.5
280	44.5	44.5	43.7	46.5	49.7	52.5	54.9	57	58.8	60.3	61.7	63	64.2	65.3
290	44.3	44.3	43.6	46.3	49.5	52.4	54.7	56.8	58.6	60.1	61.6	62.8	64	65.1
300	44.1	44.1	43.4	46.1	49.4	52.2	54.6	56.6	58.4	60	61.4	62.7	63.8	64.9

* 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	52.2	52.2	51.4	54.2	57.5	60.3	62.7	64.8	66.6	68.2	69.6	70.9	72.1	73.2
30	50.7	50.7	50	52.8	56.1	58.9	61.4	63.5	65.3	66.9	68.3	69.7	70.9	72
40	50.2	50.2	49.5	52.3	55.5	58.4	60.8	62.9	64.7	66.3	67.7	69.1	70.3	71.4
50	49.7	49.7	49	51.8	55	57.8	60.3	62.3	64.1	65.7	67.2	68.5	69.7	70.8
60	49.2	49.2	48.5	51.3	54.5	57.3	59.7	61.8	63.6	65.2	66.6	67.9	69.1	70.2
70	48.7	48.7	48	50.8	54	56.8	59.2	61.3	63.1	64.7	66.1	67.4	68.6	69.7
80	48.2	48.2	47.5	50.3	53.5	56.3	58.7	60.8	62.6	64.2	65.6	66.9	68.1	69.2
90	47.8	47.8	47	49.8	53.1	55.9	58.3	60.3	62.1	63.7	65.2	66.5	67.6	68.7
100	47.4	47.4	46.6	49.4	52.6	55.5	57.9	59.9	61.7	63.3	64.7	66	67.2	68.3
110	47	47	46.2	49	52.2	55.1	57.5	59.5	61.3	62.9	64.3	65.6	66.8	67.9
120	46.6	46.6	45.9	48.6	51.9	54.7	57.1	59.1	60.9	62.5	64	65.3	66.4	67.5
130	46.2	46.2	45.5	48.3	51.5	54.3	56.7	58.8	60.6	62.2	63.6	64.9	66.1	67.2
140	45.9	45.9	45.2	48	51.2	54	56.4	58.5	60.3	61.8	63.3	64.6	65.8	66.9
150	45.6	45.6	44.9	47.6	50.9	53.7	56.1	58.1	59.9	61.5	63	64.3	65.4	66.5
160	45.3	45.3	44.6	47.3	50.6	53.4	55.8	57.9	59.6	61.2	62.7	64	65.1	66.2
170	45	45	44.3	47.1	50.3	53.1	55.5	57.6	59.4	61	62.4	63.7	64.9	66
180	44.7	44.7	44	46.8	50	52.8	55.2	57.3	59.1	60.7	62.1	63.4	64.6	65.7
190	44.5	44.5	43.7	46.5	49.8	52.6	55	57	58.8	60.4	61.9	63.2	64.3	65.4
200	44.2	44.2	43.5	46.3	49.5	52.3	54.7	56.8	58.6	60.2	61.6	62.9	64.1	65.2
210	44	44	43.3	46	49.3	52.1	54.5	56.6	58.3	59.9	61.4	62.7	63.9	65
220	43.8	43.8	43	45.8	49	51.9	54.3	56.3	58.1	59.7	61.1	62.4	63.6	64.7
230	43.5	43.5	42.8	45.6	48.8	51.6	54	56.1	57.9	59.5	60.9	62.2	63.4	64.5
240	43.3	43.3	42.6	45.4	48.6	51.4	53.8	55.9	57.7	59.3	60.7	62	63.2	64.3
250	43.1	43.1	42.4	45.2	48.4	51.2	53.6	55.7	57.5	59.1	60.5	61.8	63	64.1
260	42.9	42.9	42.2	45	48.2	51	53.4	55.5	57.3	58.9	60.3	61.6	62.8	63.9
270	42.7	42.7	42	44.8	48	50.8	53.2	55.3	57.1	58.7	60.1	61.4	62.6	63.7
280	42.5	42.5	41.8	44.6	47.8	50.6	53	55.1	56.9	58.5	59.9	61.2	62.4	63.5
290	42.3	42.3	41.6	44.4	47.6	50.5	52.9	54.9	56.7	58.3	59.7	61	62.2	63.3
300	42.2	42.2	41.4	44.2	47.5	50.3	52.7	54.7	56.5	58.1	59.6	60.9	62.1	63.2

* 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	50.7	50.7	49.9	52.7	56	58.8	61.2	63.3	65.1	66.7	68.2	69.5	70.7	71.8
30	49.1	49.1	48.4	51.2	54.5	57.3	59.8	61.8	63.7	65.3	66.8	68.1	69.3	70.4
40	48.4	48.4	47.7	50.6	53.8	56.7	59.1	61.2	63	64.6	66.1	67.4	68.6	69.7
50	47.9	47.9	47.2	50	53.3	56.1	58.6	60.6	62.5	64.1	65.5	66.9	68.1	69.2
60	47.5	47.5	46.7	49.6	52.8	55.7	58.1	60.1	62	63.6	65	66.3	67.5	68.7
70	47	47	46.3	49.1	52.3	55.2	57.6	59.7	61.5	63.1	64.5	65.8	67.1	68.2
80	46.6	46.6	45.8	48.6	51.9	54.7	57.1	59.2	61	62.6	64.1	65.4	66.6	67.7
90	46.2	46.2	45.4	48.2	51.5	54.3	56.7	58.8	60.6	62.2	63.6	64.9	66.1	67.3
100	45.8	45.8	45	47.8	51.1	53.9	56.3	58.4	60.2	61.8	63.2	64.5	65.7	66.8
110	45.4	45.4	44.6	47.4	50.7	53.5	55.9	58	59.8	61.4	62.8	64.1	65.3	66.5
120	45	45	44.3	47.1	50.3	53.2	55.6	57.6	59.4	61	62.5	63.8	65	66.1
130	44.7	44.7	43.9	46.7	50	52.8	55.2	57.3	59.1	60.7	62.1	63.4	64.6	65.8
140	44.4	44.4	43.6	46.4	49.7	52.5	54.9	57	58.8	60.4	61.8	63.1	64.3	65.4
150	44	44	43.3	46.1	49.4	52.2	54.6	56.7	58.5	60.1	61.5	62.8	64	65.1
160	43.8	43.8	43	45.8	49.1	51.9	54.3	56.4	58.2	59.8	61.2	62.5	63.7	64.8
170	43.5	43.5	42.7	45.5	48.8	51.6	54	56.1	57.9	59.5	60.9	62.2	63.4	64.6
180	43.2	43.2	42.5	45.3	48.5	51.4	53.8	55.8	57.6	59.2	60.7	62	63.2	64.3
190	43	43	42.2	45	48.3	51.1	53.5	55.6	57.4	59	60.4	61.7	62.9	64
200	42.7	42.7	42	44.8	48	50.9	53.3	55.3	57.1	58.7	60.2	61.5	62.7	63.8
210	42.5	42.5	41.7	44.5	47.8	50.6	53	55.1	56.9	58.5	59.9	61.3	62.5	63.6
220	42.2	42.2	41.5	44.3	47.6	50.4	52.8	54.9	56.7	58.3	59.7	61	62.2	63.3
230	42	42	41.3	44.1	47.3	50.2	52.6	54.6	56.5	58.1	59.5	60.8	62	63.1
240	41.8	41.8	41.1	43.9	47.1	50	52.4	54.4	56.2	57.8	59.3	60.6	61.8	62.9
250	41.6	41.6	40.9	43.7	46.9	49.8	52.2	54.2	56	57.6	59.1	60.4	61.6	62.7
260	41.4	41.4	40.7	43.5	46.7	49.6	52	54	55.8	57.5	58.9	60.2	61.4	62.5
270	41.2	41.2	40.5	43.3	46.5	49.4	51.8	53.8	55.7	57.3	58.7	60	61.2	62.3
280	41	41	40.3	43.1	46.4	49.2	51.6	53.7	55.5	57.1	58.5	59.8	61	62.1
290	40.8	40.8	40.1	42.9	46.2	49	51.4	53.5	55.3	56.9	58.3	59.6	60.9	62
300	40.7	40.7	39.9	42.7	46	48.8	51.2	53.3	55.1	56.7	58.2	59.5	60.7	61.8

* 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	49.4	49.4	48.7	51.5	54.7	57.6	60	62.1	63.9	65.5	67	68.3	69.5	70.6
30	47.8	47.8	47.1	49.9	53.2	56.1	58.5	60.6	62.4	64	65.5	66.8	68	69.2
40	47	47	46.3	49.1	52.4	55.3	57.7	59.8	61.6	63.3	64.7	66	67.3	68.4
50	46.5	46.5	45.8	48.6	51.9	54.7	57.2	59.3	61.1	62.7	64.2	65.5	66.7	67.8
60	46	46	45.3	48.1	51.4	54.3	56.7	58.8	60.6	62.2	63.7	65	66.2	67.3
70	45.6	45.6	44.9	47.7	51	53.8	56.2	58.3	60.1	61.7	63.2	64.5	65.7	66.9
80	45.2	45.2	44.5	47.3	50.5	53.4	55.8	57.9	59.7	61.3	62.8	64.1	65.3	66.4
90	44.8	44.8	44.1	46.9	50.1	53	55.4	57.5	59.3	60.9	62.3	63.7	64.9	66
100	44.4	44.4	43.7	46.5	49.7	52.6	55	57.1	58.9	60.5	61.9	63.3	64.5	65.6
110	44	44	43.3	46.1	49.4	52.2	54.6	56.7	58.5	60.1	61.6	62.9	64.1	65.2
120	43.7	43.7	43	45.8	49	51.9	54.3	56.3	58.2	59.8	61.2	62.5	63.7	64.9
130	43.3	43.3	42.6	45.4	48.7	51.5	53.9	56	57.8	59.4	60.9	62.2	63.4	64.5
140	43	43	42.3	45.1	48.4	51.2	53.6	55.7	57.5	59.1	60.6	61.9	63.1	64.2
150	42.7	42.7	42	44.8	48.1	50.9	53.3	55.4	57.2	58.8	60.3	61.6	62.8	63.9
160	42.4	42.4	41.7	44.5	47.8	50.6	53	55.1	56.9	58.5	60	61.3	62.5	63.6
170	42.2	42.2	41.4	44.3	47.5	50.3	52.8	54.8	56.6	58.3	59.7	61	62.2	63.3
180	41.9	41.9	41.2	44	47.2	50.1	52.5	54.6	56.4	58	59.4	60.8	62	63.1
190	41.6	41.6	40.9	43.7	47	49.8	52.2	54.3	56.1	57.7	59.2	60.5	61.7	62.8
200	41.4	41.4	40.7	43.5	46.7	49.6	52	54.1	55.9	57.5	58.9	60.3	61.5	62.6
210	41.2	41.2	40.5	43.3	46.5	49.4	51.8	53.8	55.7	57.3	58.7	60	61.2	62.4
220	40.9	40.9	40.2	43	46.3	49.1	51.5	53.6	55.4	57	58.5	59.8	61	62.1
230	40.7	40.7	40	42.8	46.1	48.9	51.3	53.4	55.2	56.8	58.3	59.6	60.8	61.9
240	40.5	40.5	39.8	42.6	45.9	48.7	51.1	53.2	55	56.6	58.1	59.4	60.6	61.7
250	40.3	40.3	39.6	42.4	45.7	48.5	50.9	53	54.8	56.4	57.9	59.2	60.4	61.5
260	40.1	40.1	39.4	42.2	45.5	48.3	50.7	52.8	54.6	56.2	57.7	59	60.2	61.3
270	39.9	39.9	39.2	42	45.3	48.1	50.5	52.6	54.4	56	57.5	58.8	60	61.1
280	39.7	39.7	39	41.8	45.1	47.9	50.3	52.4	54.2	55.8	57.3	58.6	59.8	60.9
290	39.6	39.6	38.8	41.6	44.9	47.7	50.2	52.2	54.1	55.7	57.1	58.4	59.6	60.8
300	39.4	39.4	38.7	41.5	44.7	47.6	50	52.1	53.9	55.5	56.9	58.3	59.5	60.6

* 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	48.2	48.2	47.5	50.3	53.6	56.4	58.9	60.9	62.8	64.4	65.8	67.2	68.4	69.5
30	46.8	46.8	46.1	48.9	52.2	55	57.5	59.6	61.4	63	64.5	65.8	67	68.2
40	45.9	45.9	45.2	48	51.3	54.2	56.6	58.7	60.5	62.1	63.6	65	66.2	67.3
50	45.3	45.3	44.6	47.4	50.7	53.5	56	58.1	59.9	61.5	63	64.3	65.6	66.7
60	44.8	44.8	44.1	46.9	50.2	53	55.5	57.6	59.4	61	62.5	63.8	65.1	66.2
70	44.4	44.4	43.7	46.5	49.7	52.6	55	57.1	58.9	60.6	62	63.4	64.6	65.7
80	44	44	43.2	46.1	49.3	52.2	54.6	56.7	58.5	60.1	61.6	62.9	64.2	65.3
90	43.6	43.6	42.9	45.7	48.9	51.8	54.2	56.3	58.1	59.7	61.2	62.5	63.7	64.9
100	43.2	43.2	42.5	45.3	48.6	51.4	53.8	55.9	57.7	59.4	60.8	62.1	63.4	64.5
110	42.8	42.8	42.1	44.9	48.2	51.1	53.5	55.6	57.4	59	60.5	61.8	63	64.1
120	42.5	42.5	41.8	44.6	47.9	50.7	53.1	55.2	57	58.7	60.1	61.4	62.6	63.8
130	42.2	42.2	41.5	44.3	47.5	50.4	52.8	54.9	56.7	58.3	59.8	61.1	62.3	63.4
140	41.9	41.9	41.2	44	47.2	50.1	52.5	54.6	56.4	58	59.5	60.8	62	63.1
150	41.6	41.6	40.9	43.7	46.9	49.8	52.2	54.3	56.1	57.7	59.2	60.5	61.7	62.8
160	41.3	41.3	40.6	43.4	46.7	49.5	51.9	54	55.8	57.4	58.9	60.2	61.4	62.5
170	41	41	40.3	43.1	46.4	49.2	51.6	53.7	55.5	57.2	58.6	59.9	61.1	62.3
180	40.8	40.8	40.1	42.9	46.1	49	51.4	53.5	55.3	56.9	58.4	59.7	60.9	62
190	40.5	40.5	39.8	42.6	45.9	48.7	51.1	53.2	55	56.7	58.1	59.4	60.6	61.8
200	40.3	40.3	39.6	42.4	45.6	48.5	50.9	53	54.8	56.4	57.9	59.2	60.4	61.5
210	40	40	39.3	42.1	45.4	48.2	50.7	52.7	54.6	56.2	57.6	59	60.2	61.3
220	39.8	39.8	39.1	41.9	45.2	48	50.4	52.5	54.3	56	57.4	58.7	59.9	61.1
230	39.6	39.6	38.9	41.7	45	47.8	50.2	52.3	54.1	55.7	57.2	58.5	59.7	60.9
240	39.4	39.4	38.7	41.5	44.8	47.6	50	52.1	53.9	55.5	57	58.3	59.5	60.6
250	39.2	39.2	38.5	41.3	44.6	47.4	49.8	51.9	53.7	55.3	56.8	58.1	59.3	60.4
260	39	39	38.3	41.1	44.4	47.2	49.6	51.7	53.5	55.1	56.6	57.9	59.1	60.3
270	38.8	38.8	38.1	40.9	44.2	47	49.4	51.5	53.3	55	56.4	57.7	58.9	60.1
280	38.6	38.6	37.9	40.7	44	46.8	49.3	51.3	53.2	54.8	56.2	57.6	58.8	59.9
290	38.4	38.4	37.7	40.5	43.8	46.7	49.1	51.2	53	54.6	56.1	57.4	58.6	59.7
300	38.3	38.3	37.6	40.4	43.6	46.5	48.9	51	52.8	54.4	55.9	57.2	58.4	59.5

* 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	47.2	47.2	46.4	49.3	52.5	55.4	57.8	59.9	61.7	63.3	64.8	66.1	67.3	68.4
30	46	46	45.3	48.1	51.4	54.2	56.6	58.7	60.6	62.2	63.7	65	66.2	67.3
40	45	45	44.3	47.1	50.4	53.2	55.7	57.8	59.6	61.2	62.7	64	65.3	66.4
50	44.3	44.3	43.6	46.4	49.7	52.6	55	57.1	58.9	60.6	62	63.4	64.6	65.7
60	43.8	43.8	43.1	45.9	49.2	52	54.5	56.6	58.4	60	61.5	62.8	64.1	65.2
70	43.3	43.3	42.6	45.4	48.7	51.6	54	56.1	57.9	59.6	61	62.4	63.6	64.7
80	42.9	42.9	42.2	45	48.3	51.1	53.6	55.7	57.5	59.1	60.6	61.9	63.1	64.3
90	42.5	42.5	41.8	44.6	47.9	50.7	53.2	55.3	57.1	58.7	60.2	61.5	62.7	63.9
100	42.1	42.1	41.4	44.2	47.5	50.4	52.8	54.9	56.7	58.3	59.8	61.1	62.4	63.5
110	41.8	41.8	41.1	43.9	47.2	50	52.4	54.5	56.4	58	59.4	60.8	62	63.1
120	41.5	41.5	40.7	43.6	46.8	49.7	52.1	54.2	56	57.6	59.1	60.4	61.6	62.8
130	41.1	41.1	40.4	43.3	46.5	49.4	51.8	53.9	55.7	57.3	58.8	60.1	61.3	62.4
140	40.8	40.8	40.1	42.9	46.2	49.1	51.5	53.6	55.4	57	58.5	59.8	61	62.1
150	40.6	40.6	39.8	42.7	45.9	48.8	51.2	53.3	55.1	56.7	58.2	59.5	60.7	61.8
160	40.3	40.3	39.6	42.4	45.6	48.5	50.9	53	54.8	56.4	57.9	59.2	60.4	61.6
170	40	40	39.3	42.1	45.4	48.2	50.7	52.7	54.6	56.2	57.6	59	60.2	61.3
180	39.8	39.8	39	41.9	45.1	48	50.4	52.5	54.3	55.9	57.4	58.7	59.9	61
190	39.5	39.5	38.8	41.6	44.9	47.7	50.2	52.2	54.1	55.7	57.1	58.5	59.7	60.8
200	39.3	39.3	38.6	41.4	44.6	47.5	49.9	52	53.8	55.4	56.9	58.2	59.4	60.6
210	39	39	38.3	41.2	44.4	47.3	49.7	51.8	53.6	55.2	56.7	58	59.2	60.3
220	38.8	38.8	38.1	40.9	44.2	47	49.5	51.5	53.4	55	56.4	57.8	59	60.1
230	38.6	38.6	37.9	40.7	44	46.8	49.3	51.3	53.2	54.8	56.2	57.6	58.8	59.9
240	38.4	38.4	37.7	40.5	43.8	46.6	49	51.1	53	54.6	56	57.4	58.6	59.7
250	38.2	38.2	37.5	40.3	43.6	46.4	48.8	50.9	52.8	54.4	55.8	57.2	58.4	59.5
260	38	38	37.3	40.1	43.4	46.2	48.7	50.7	52.6	54.2	55.6	57	58.2	59.3
270	37.8	37.8	37.1	39.9	43.2	46	48.5	50.5	52.4	54	55.5	56.8	58	59.1
280	37.6	37.6	36.9	39.7	43	45.9	48.3	50.4	52.2	53.8	55.3	56.6	57.8	58.9
290	37.5	37.5	36.8	39.6	42.8	45.7	48.1	50.2	52	53.6	55.1	56.4	57.6	58.8
300	37.3	37.3	36.6	39.4	42.7	45.5	47.9	50	51.8	53.5	54.9	56.2	57.5	58.6

* 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	46.2	46.2	45.5	48.3	51.5	54.4	56.8	58.9	60.7	62.4	63.8	65.1	66.4	67.5
30	45.2	45.2	44.5	47.3	50.6	53.4	55.9	57.9	59.8	61.4	62.9	64.2	65.4	66.6
40	44.2	44.2	43.5	46.3	49.6	52.4	54.9	57	58.8	60.4	61.9	63.2	64.5	65.6
50	43.4	43.4	42.7	45.5	48.8	51.7	54.1	56.2	58.1	59.7	61.2	62.5	63.7	64.9
60	42.8	42.8	42.1	45	48.2	51.1	53.5	55.6	57.5	59.1	60.6	61.9	63.2	64.3
70	42.3	42.3	41.6	44.5	47.8	50.6	53.1	55.2	57	58.6	60.1	61.4	62.7	63.8
80	41.9	41.9	41.2	44.1	47.3	50.2	52.6	54.7	56.6	58.2	59.7	61	62.2	63.4
90	41.5	41.5	40.8	43.7	46.9	49.8	52.2	54.3	56.2	57.8	59.3	60.6	61.8	63
100	41.2	41.2	40.5	43.3	46.6	49.4	51.9	54	55.8	57.4	58.9	60.2	61.4	62.6
110	40.8	40.8	40.1	43	46.2	49.1	51.5	53.6	55.4	57.1	58.5	59.9	61.1	62.2
120	40.5	40.5	39.8	42.6	45.9	48.8	51.2	53.3	55.1	56.7	58.2	59.5	60.8	61.9
130	40.2	40.2	39.5	42.3	45.6	48.4	50.9	53	54.8	56.4	57.9	59.2	60.4	61.6
140	39.9	39.9	39.2	42	45.3	48.2	50.6	52.7	54.5	56.1	57.6	58.9	60.1	61.3
150	39.6	39.6	38.9	41.7	45	47.9	50.3	52.4	54.2	55.8	57.3	58.6	59.8	61
160	39.4	39.4	38.6	41.5	44.7	47.6	50	52.1	53.9	55.6	57	58.3	59.6	60.7
170	39.1	39.1	38.4	41.2	44.5	47.3	49.7	51.8	53.7	55.3	56.7	58.1	59.3	60.4
180	38.8	38.8	38.1	40.9	44.2	47.1	49.5	51.6	53.4	55	56.5	57.8	59	60.2
190	38.6	38.6	37.9	40.7	44	46.8	49.3	51.3	53.2	54.8	56.3	57.6	58.8	59.9
200	38.4	38.4	37.7	40.5	43.7	46.6	49	51.1	52.9	54.6	56	57.3	58.6	59.7
210	38.1	38.1	37.4	40.2	43.5	46.4	48.8	50.9	52.7	54.3	55.8	57.1	58.3	59.5
220	37.9	37.9	37.2	40	43.3	46.1	48.6	50.7	52.5	54.1	55.6	56.9	58.1	59.2
230	37.7	37.7	37	39.8	43.1	45.9	48.4	50.4	52.3	53.9	55.4	56.7	57.9	59
240	37.5	37.5	36.8	39.6	42.9	45.7	48.2	50.2	52.1	53.7	55.1	56.5	57.7	58.8
250	37.3	37.3	36.6	39.4	42.7	45.5	48	50	51.9	53.5	55	56.3	57.5	58.6
260	37.1	37.1	36.4	39.2	42.5	45.3	47.8	49.9	51.7	53.3	54.8	56.1	57.3	58.4
270	36.9	36.9	36.2	39	42.3	45.1	47.6	49.7	51.5	53.1	54.6	55.9	57.1	58.2
280	36.7	36.7	36	38.8	42.1	45	47.4	49.5	51.3	52.9	54.4	55.7	56.9	58.1
290	36.6	36.6	35.8	38.7	41.9	44.8	47.2	49.3	51.1	52.8	54.2	55.5	56.8	57.9
300	36.4	36.4	35.7	38.5	41.8	44.6	47	49.1	51	52.6	54	55.4	56.6	57.7

* 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	45.3	45.3	44.6	47.4	50.7	53.6	56	58.1	59.9	61.5	63	64.3	65.5	66.7
30	44.5	44.5	43.8	46.6	49.9	52.7	55.2	57.3	59.1	60.7	62.2	63.5	64.8	65.9
40	43.5	43.5	42.8	45.6	48.9	51.8	54.2	56.3	58.1	59.8	61.2	62.6	63.8	64.9
50	42.7	42.7	42	44.8	48.1	51	53.4	55.5	57.3	59	60.4	61.8	63	64.1
60	42	42	41.3	44.2	47.5	50.3	52.8	54.9	56.7	58.3	59.8	61.2	62.4	63.5
70	41.5	41.5	40.8	43.7	46.9	49.8	52.3	54.4	56.2	57.8	59.3	60.6	61.9	63
80	41.1	41.1	40.4	43.2	46.5	49.4	51.8	53.9	55.8	57.4	58.9	60.2	61.4	62.6
90	40.7	40.7	40	42.8	46.1	49	51.4	53.5	55.4	57	58.5	59.8	61	62.2
100	40.4	40.4	39.7	42.5	45.8	48.6	51.1	53.2	55	56.6	58.1	59.4	60.7	61.8
110	40	40	39.3	42.1	45.4	48.3	50.7	52.8	54.6	56.3	57.7	59.1	60.3	61.4
120	39.7	39.7	39	41.8	45.1	48	50.4	52.5	54.3	55.9	57.4	58.7	60	61.1
130	39.4	39.4	38.7	41.5	44.8	47.6	50.1	52.2	54	55.6	57.1	58.4	59.7	60.8
140	39.1	39.1	38.4	41.2	44.5	47.3	49.8	51.9	53.7	55.3	56.8	58.1	59.3	60.5
150	38.8	38.8	38.1	40.9	44.2	47.1	49.5	51.6	53.4	55	56.5	57.8	59.1	60.2
160	38.5	38.5	37.8	40.7	43.9	46.8	49.2	51.3	53.1	54.8	56.2	57.6	58.8	59.9
170	38.3	38.3	37.6	40.4	43.7	46.5	49	51.1	52.9	54.5	56	57.3	58.5	59.7
180	38	38	37.3	40.2	43.4	46.3	48.7	50.8	52.6	54.3	55.7	57	58.3	59.4
190	37.8	37.8	37.1	39.9	43.2	46	48.5	50.6	52.4	54	55.5	56.8	58	59.2
200	37.6	37.6	36.9	39.7	43	45.8	48.2	50.3	52.2	53.8	55.2	56.6	57.8	58.9
210	37.3	37.3	36.6	39.5	42.7	45.6	48	50.1	51.9	53.6	55	56.3	57.6	58.7
220	37.1	37.1	36.4	39.2	42.5	45.4	47.8	49.9	51.7	53.3	54.8	56.1	57.4	58.5
230	36.9	36.9	36.2	39	42.3	45.2	47.6	49.7	51.5	53.1	54.6	55.9	57.1	58.3
240	36.7	36.7	36	38.8	42.1	45	47.4	49.5	51.3	52.9	54.4	55.7	56.9	58.1
250	36.5	36.5	35.8	38.6	41.9	44.8	47.2	49.3	51.1	52.7	54.2	55.5	56.7	57.9
260	36.3	36.3	35.6	38.4	41.7	44.6	47	49.1	50.9	52.5	54	55.3	56.6	57.7
270	36.1	36.1	35.4	38.3	41.5	44.4	46.8	48.9	50.7	52.4	53.8	55.1	56.4	57.5
280	36	36	35.3	38.1	41.3	44.2	46.6	48.7	50.5	52.2	53.6	55	56.2	57.3
290	35.8	35.8	35.1	37.9	41.2	44	46.5	48.5	50.4	52	53.5	54.8	56	57.1
300	35.6	35.6	34.9	37.7	41	43.9	46.3	48.4	50.2	51.8	53.3	54.6	55.8	57

* 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	44.8	44.8	44	46.9	50.1	53	55.4	57.5	59.3	60.9	62.4	63.7	64.9	66
30	43.9	43.9	43.2	46	49.3	52.1	54.6	56.7	58.5	60.1	61.6	62.9	64.1	65.3
40	42.9	42.9	42.2	45	48.3	51.1	53.6	55.7	57.5	59.1	60.6	61.9	63.2	64.3
50	42.1	42.1	41.4	44.2	47.5	50.3	52.8	54.9	56.7	58.3	59.8	61.1	62.4	63.5
60	41.4	41.4	40.7	43.6	46.8	49.7	52.1	54.2	56.1	57.7	59.2	60.5	61.7	62.9
70	40.9	40.9	40.2	43	46.3	49.2	51.6	53.7	55.5	57.2	58.6	60	61.2	62.3
80	40.4	40.4	39.7	42.5	45.8	48.7	51.1	53.2	55.1	56.7	58.2	59.5	60.7	61.9
90	40	40	39.3	42.1	45.4	48.3	50.7	52.8	54.6	56.3	57.8	59.1	60.3	61.5
100	39.6	39.6	38.9	41.8	45	47.9	50.3	52.4	54.3	55.9	57.4	58.7	59.9	61.1
110	39.3	39.3	38.6	41.4	44.7	47.6	50	52.1	53.9	55.6	57	58.4	59.6	60.7
120	39	39	38.3	41.1	44.4	47.2	49.7	51.8	53.6	55.2	56.7	58	59.3	60.4
130	38.7	38.7	38	40.8	44.1	46.9	49.4	51.5	53.3	54.9	56.4	57.7	58.9	60.1
140	38.4	38.4	37.7	40.5	43.8	46.6	49.1	51.2	53	54.6	56.1	57.4	58.6	59.8
150	38.1	38.1	37.4	40.2	43.5	46.4	48.8	50.9	52.7	54.3	55.8	57.1	58.4	59.5
160	37.8	37.8	37.1	40	43.2	46.1	48.5	50.6	52.4	54.1	55.5	56.9	58.1	59.2
170	37.6	37.6	36.9	39.7	43	45.8	48.3	50.4	52.2	53.8	55.3	56.6	57.8	59
180	37.3	37.3	36.6	39.5	42.7	45.6	48	50.1	51.9	53.6	55	56.4	57.6	58.7
190	37.1	37.1	36.4	39.2	42.5	45.4	47.8	49.9	51.7	53.3	54.8	56.1	57.3	58.5
200	36.9	36.9	36.2	39	42.3	45.1	47.6	49.6	51.5	53.1	54.6	55.9	57.1	58.2
210	36.7	36.7	35.9	38.8	42	44.9	47.3	49.4	51.3	52.9	54.3	55.7	56.9	58
220	36.4	36.4	35.7	38.6	41.8	44.7	47.1	49.2	51	52.7	54.1	55.5	56.7	57.8
230	36.2	36.2	35.5	38.4	41.6	44.5	46.9	49	50.8	52.5	53.9	55.3	56.5	57.6
240	36	36	35.3	38.2	41.4	44.3	46.7	48.8	50.6	52.3	53.7	55	56.3	57.4
250	35.8	35.8	35.1	38	41.2	44.1	46.5	48.6	50.4	52.1	53.5	54.9	56.1	57.2
260	35.7	35.7	34.9	37.8	41	43.9	46.3	48.4	50.2	51.9	53.3	54.7	55.9	57
270	35.5	35.5	34.8	37.6	40.9	43.7	46.1	48.2	50.1	51.7	53.1	54.5	55.7	56.8
280	35.3	35.3	34.6	37.4	40.7	43.5	46	48	49.9	51.5	53	54.3	55.5	56.6
290	35.1	35.1	34.4	37.2	40.5	43.4	45.8	47.9	49.7	51.3	52.8	54.1	55.3	56.5
300	34.9	34.9	34.2	37.1	40.3	43.2	45.6	47.7	49.5	51.2	52.6	54	55.2	56.3

* 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	52.9	52.9	52.2	55	58.2	61.1	63.5	65.5	67.4	69	70.4	71.7	72.9	74
30	50.8	50.8	50.1	52.9	56.2	59	61.4	63.5	65.4	67	68.5	69.8	71	72.1
40	49.3	49.3	48.6	51.5	54.7	57.6	60	62.1	64	65.6	67.1	68.4	69.7	70.8
50	48.1	48.1	47.4	50.3	53.6	56.4	58.9	61	62.8	64.5	66	67.3	68.5	69.7
60	47.1	47.1	46.4	49.3	52.6	55.4	57.9	60	61.9	63.5	65	66.3	67.6	68.7
70	46.2	46.2	45.6	48.4	51.7	54.6	57	59.2	61	62.7	64.1	65.5	66.7	67.9
80	45.5	45.5	44.8	47.7	51	53.8	56.3	58.4	60.3	61.9	63.4	64.8	66	67.2
90	44.8	44.8	44.1	47	50.3	53.2	55.6	57.8	59.6	61.3	62.8	64.1	65.4	66.5
100	44.2	44.2	43.5	46.4	49.7	52.6	55	57.2	59	60.7	62.2	63.5	64.8	66
110	43.7	43.7	43	45.9	49.2	52	54.5	56.6	58.5	60.2	61.7	63	64.3	65.4
120	43.2	43.2	42.5	45.4	48.7	51.6	54	56.2	58	59.7	61.2	62.6	63.8	65
130	42.7	42.7	42.1	44.9	48.2	51.1	53.6	55.7	57.6	59.3	60.8	62.1	63.4	64.5
140	42.3	42.3	41.7	44.5	47.8	50.7	53.2	55.3	57.2	58.9	60.4	61.7	63	64.2
150	42	42	41.3	44.2	47.5	50.4	52.8	55	56.8	58.5	60	61.4	62.6	63.8
160	41.6	41.6	41	43.8	47.1	50	52.5	54.6	56.5	58.2	59.7	61	62.3	63.5
170	41.3	41.3	40.6	43.5	46.8	49.7	52.2	54.3	56.2	57.8	59.3	60.7	62	63.1
180	41	41	40.3	43.2	46.5	49.4	51.9	54	55.9	57.6	59.1	60.4	61.7	62.8
190	40.7	40.7	40.1	42.9	46.2	49.1	51.6	53.7	55.6	57.3	58.8	60.1	61.4	62.6
200	40.5	40.5	39.8	42.7	46	48.9	51.3	53.5	55.3	57	58.5	59.9	61.1	62.3
210	40.2	40.2	39.5	42.4	45.7	48.6	51.1	53.2	55.1	56.8	58.3	59.6	60.9	62.1
220	40	40	39.3	42.2	45.5	48.4	50.9	53	54.9	56.5	58	59.4	60.7	61.8
230	39.7	39.7	39.1	42	45.3	48.2	50.6	52.8	54.6	56.3	57.8	59.2	60.4	61.6
240	39.5	39.5	38.9	41.7	45.1	48	50.4	52.6	54.4	56.1	57.6	59	60.2	61.4
250	39.3	39.3	38.7	41.5	44.9	47.8	50.2	52.4	54.2	55.9	57.4	58.8	60	61.2
260	39.1	39.1	38.5	41.3	44.7	47.6	50	52.2	54	55.7	57.2	58.6	59.8	61
270	38.9	38.9	38.3	41.2	44.5	47.4	49.8	52	53.9	55.5	57	58.4	59.7	60.8
280	38.8	38.8	38.1	41	44.3	47.2	49.7	51.8	53.7	55.3	56.8	58.2	59.5	60.6
290	38.6	38.6	37.9	40.8	44.1	47	49.5	51.6	53.5	55.2	56.7	58	59.3	60.5
300	38.4	38.4	37.8	40.6	44	46.9	49.3	51.5	53.3	55	56.5	57.9	59.1	60.3

* 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	50.9	50.9	50.2	53	56.3	59.1	61.5	63.6	65.4	67	68.5	69.8	71	72.1
30	48.9	48.9	48.2	51	54.3	57.1	59.6	61.7	63.5	65.1	66.6	68	69.2	70.3
40	47.6	47.6	46.9	49.7	53	55.9	58.3	60.4	62.3	63.9	65.4	66.8	68	69.1
50	46.6	46.6	45.9	48.7	52	54.9	57.3	59.4	61.3	62.9	64.4	65.8	67	68.2
60	45.7	45.7	45	47.8	51.1	54	56.5	58.6	60.4	62.1	63.6	64.9	66.2	67.3
70	44.9	44.9	44.2	47	50.3	53.2	55.7	57.8	59.7	61.3	62.8	64.2	65.4	66.6
80	44.2	44.2	43.5	46.4	49.7	52.5	55	57.1	59	60.6	62.1	63.5	64.7	65.9
90	43.6	43.6	42.9	45.7	49	51.9	54.4	56.5	58.4	60	61.5	62.9	64.1	65.3
100	43	43	42.3	45.2	48.5	51.4	53.8	56	57.8	59.5	61	62.3	63.6	64.8
110	42.5	42.5	41.8	44.7	48	50.9	53.3	55.5	57.3	59	60.5	61.8	63.1	64.3
120	42	42	41.4	44.2	47.5	50.4	52.9	55	56.9	58.5	60	61.4	62.6	63.8
130	41.6	41.6	40.9	43.8	47.1	50	52.5	54.6	56.5	58.1	59.6	61	62.2	63.4
140	41.2	41.2	40.5	43.4	46.7	49.6	52.1	54.2	56.1	57.7	59.2	60.6	61.9	63
150	40.8	40.8	40.2	43	46.4	49.3	51.7	53.9	55.7	57.4	58.9	60.3	61.5	62.7
160	40.5	40.5	39.9	42.7	46	48.9	51.4	53.5	55.4	57.1	58.6	59.9	61.2	62.4
170	40.2	40.2	39.5	42.4	45.7	48.6	51.1	53.2	55.1	56.8	58.3	59.6	60.9	62.1
180	39.9	39.9	39.3	42.1	45.4	48.3	50.8	52.9	54.8	56.5	58	59.3	60.6	61.8
190	39.6	39.6	39	41.9	45.2	48.1	50.5	52.7	54.5	56.2	57.7	59.1	60.3	61.5
200	39.4	39.4	38.7	41.6	44.9	47.8	50.3	52.4	54.3	56	57.5	58.8	60.1	61.3
210	39.1	39.1	38.5	41.3	44.7	47.6	50	52.2	54	55.7	57.2	58.6	59.8	61
220	38.9	38.9	38.2	41.1	44.4	47.3	49.8	51.9	53.8	55.5	57	58.4	59.6	60.8
230	38.7	38.7	38	40.9	44.2	47.1	49.6	51.7	53.6	55.3	56.8	58.1	59.4	60.6
240	38.5	38.5	37.8	40.7	44	46.9	49.4	51.5	53.4	55.1	56.6	57.9	59.2	60.4
250	38.3	38.3	37.6	40.5	43.8	46.7	49.2	51.3	53.2	54.9	56.4	57.7	59	60.2
260	38.1	38.1	37.4	40.3	43.6	46.5	49	51.1	53	54.7	56.2	57.5	58.8	60
270	37.9	37.9	37.2	40.1	43.4	46.3	48.8	50.9	52.8	54.5	56	57.4	58.6	59.8
280	37.7	37.7	37.1	39.9	43.2	46.1	48.6	50.8	52.6	54.3	55.8	57.2	58.4	59.6
290	37.5	37.5	36.9	39.8	43.1	46	48.4	50.6	52.5	54.1	55.6	57	58.3	59.4
300	37.4	37.4	36.7	39.6	42.9	45.8	48.3	50.4	52.3	54	55.5	56.8	58.1	59.3

* 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	49.6	49.6	48.8	51.7	54.9	57.8	60.2	62.3	64.1	65.7	67.2	68.5	69.7	70.8
30	47.5	47.5	46.8	49.7	52.9	55.8	58.2	60.3	62.2	63.8	65.3	66.6	67.9	69
40	46.3	46.3	45.6	48.4	51.7	54.6	57.1	59.2	61	62.7	64.1	65.5	66.7	67.9
50	45.3	45.3	44.6	47.5	50.8	53.7	56.1	58.2	60.1	61.7	63.2	64.6	65.8	67
60	44.5	44.5	43.8	46.7	50	52.8	55.3	57.4	59.3	60.9	62.4	63.8	65	66.2
70	43.8	43.8	43.1	45.9	49.2	52.1	54.6	56.7	58.5	60.2	61.7	63	64.3	65.4
80	43.1	43.1	42.4	45.3	48.6	51.5	53.9	56	57.9	59.6	61	62.4	63.7	64.8
90	42.5	42.5	41.8	44.7	48	50.9	53.3	55.5	57.3	59	60.5	61.8	63.1	64.2
100	42	42	41.3	44.2	47.5	50.3	52.8	54.9	56.8	58.5	59.9	61.3	62.6	63.7
110	41.5	41.5	40.8	43.7	47	49.9	52.3	54.4	56.3	58	59.5	60.8	62.1	63.2
120	41	41	40.4	43.2	46.5	49.4	51.9	54	55.9	57.5	59	60.4	61.6	62.8
130	40.6	40.6	39.9	42.8	46.1	49	51.5	53.6	55.5	57.1	58.6	60	61.2	62.4
140	40.2	40.2	39.6	42.4	45.7	48.6	51.1	53.2	55.1	56.8	58.3	59.6	60.9	62
150	39.9	39.9	39.2	42.1	45.4	48.3	50.7	52.9	54.7	56.4	57.9	59.3	60.5	61.7
160	39.5	39.5	38.9	41.7	45	47.9	50.4	52.5	54.4	56.1	57.6	58.9	60.2	61.4
170	39.2	39.2	38.6	41.4	44.7	47.6	50.1	52.2	54.1	55.8	57.3	58.6	59.9	61.1
180	38.9	38.9	38.3	41.1	44.5	47.4	49.8	52	53.8	55.5	57	58.4	59.6	60.8
190	38.7	38.7	38	40.9	44.2	47.1	49.6	51.7	53.6	55.2	56.7	58.1	59.4	60.5
200	38.4	38.4	37.7	40.6	43.9	46.8	49.3	51.4	53.3	55	56.5	57.8	59.1	60.3
210	38.2	38.2	37.5	40.4	43.7	46.6	49.1	51.2	53.1	54.7	56.2	57.6	58.9	60
220	37.9	37.9	37.3	40.1	43.5	46.4	48.8	51	52.8	54.5	56	57.4	58.6	59.8
230	37.7	37.7	37	39.9	43.2	46.1	48.6	50.7	52.6	54.3	55.8	57.2	58.4	59.6
240	37.5	37.5	36.8	39.7	43	45.9	48.4	50.5	52.4	54.1	55.6	56.9	58.2	59.4
250	37.3	37.3	36.6	39.5	42.8	45.7	48.2	50.3	52.2	53.9	55.4	56.7	58	59.2
260	37.1	37.1	36.4	39.3	42.6	45.5	48	50.1	52	53.7	55.2	56.6	57.8	59
270	36.9	36.9	36.3	39.1	42.4	45.3	47.8	50	51.8	53.5	55	56.4	57.6	58.8
280	36.7	36.7	36.1	38.9	42.3	45.2	47.6	49.8	51.6	53.3	54.8	56.2	57.5	58.6
290	36.6	36.6	35.9	38.8	42.1	45	47.5	49.6	51.5	53.1	54.7	56	57.3	58.5
300	36.4	36.4	35.7	38.6	41.9	44.8	47.3	49.4	51.3	53	54.5	55.9	57.1	58.3

* 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	48.3	48.3	47.6	50.4	53.7	56.6	59	61.1	62.9	64.5	66	67.3	68.5	69.7
30	46.4	46.4	45.7	48.6	51.9	54.7	57.2	59.3	61.1	62.7	64.2	65.5	66.8	67.9
40	45.2	45.2	44.5	47.3	50.6	53.5	55.9	58	59.9	61.5	63	64.4	65.6	66.8
50	44.2	44.2	43.5	46.4	49.7	52.6	55	57.1	59	60.6	62.1	63.5	64.7	65.9
60	43.4	43.4	42.8	45.6	48.9	51.8	54.2	56.4	58.2	59.9	61.4	62.7	64	65.1
70	42.7	42.7	42.1	44.9	48.2	51.1	53.6	55.7	57.5	59.2	60.7	62	63.3	64.5
80	42.1	42.1	41.4	44.3	47.6	50.5	52.9	55.1	56.9	58.6	60.1	61.4	62.7	63.8
90	41.5	41.5	40.9	43.7	47	49.9	52.4	54.5	56.4	58	59.5	60.9	62.1	63.3
100	41	41	40.3	43.2	46.5	49.4	51.9	54	55.9	57.5	59	60.4	61.6	62.8
110	40.5	40.5	39.9	42.7	46	48.9	51.4	53.5	55.4	57	58.5	59.9	61.2	62.3
120	40.1	40.1	39.4	42.3	45.6	48.5	51	53.1	55	56.6	58.1	59.5	60.7	61.9
130	39.7	39.7	39	41.9	45.2	48.1	50.6	52.7	54.6	56.2	57.7	59.1	60.3	61.5
140	39.3	39.3	38.6	41.5	44.8	47.7	50.2	52.3	54.2	55.8	57.3	58.7	60	61.1
150	39	39	38.3	41.2	44.5	47.4	49.8	52	53.8	55.5	57	58.4	59.6	60.8
160	38.6	38.6	38	40.8	44.1	47	49.5	51.6	53.5	55.2	56.7	58	59.3	60.5
170	38.3	38.3	37.7	40.5	43.8	46.7	49.2	51.3	53.2	54.9	56.4	57.7	59	60.2
180	38	38	37.4	40.2	43.5	46.4	48.9	51	52.9	54.6	56.1	57.5	58.7	59.9
190	37.8	37.8	37.1	40	43.3	46.2	48.6	50.8	52.7	54.3	55.8	57.2	58.4	59.6
200	37.5	37.5	36.8	39.7	43	45.9	48.4	50.5	52.4	54.1	55.6	56.9	58.2	59.4
210	37.3	37.3	36.6	39.5	42.8	45.7	48.2	50.3	52.2	53.8	55.3	56.7	58	59.1
220	37	37	36.4	39.2	42.5	45.4	47.9	50.1	51.9	53.6	55.1	56.5	57.7	58.9
230	36.8	36.8	36.1	39	42.3	45.2	47.7	49.8	51.7	53.4	54.9	56.2	57.5	58.7
240	36.6	36.6	35.9	38.8	42.1	45	47.5	49.6	51.5	53.2	54.7	56	57.3	58.5
250	36.4	36.4	35.7	38.6	41.9	44.8	47.3	49.4	51.3	53	54.5	55.8	57.1	58.3
260	36.2	36.2	35.5	38.4	41.7	44.6	47.1	49.2	51.1	52.8	54.3	55.6	56.9	58.1
270	36	36	35.3	38.2	41.5	44.4	46.9	49	50.9	52.6	54.1	55.5	56.7	57.9
280	35.8	35.8	35.2	38	41.4	44.3	46.7	48.9	50.7	52.4	53.9	55.3	56.5	57.7
290	35.6	35.6	35	37.9	41.2	44.1	46.6	48.7	50.6	52.2	53.7	55.1	56.4	57.5
300	35.5	35.5	34.8	37.7	41	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 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	47.1	47.1	46.4	49.3	52.5	55.4	57.8	59.9	61.7	63.4	64.8	66.2	67.4	68.5
30	45.5	45.5	44.8	47.7	50.9	53.8	56.2	58.3	60.2	61.8	63.3	64.6	65.9	67
40	44.3	44.3	43.6	46.4	49.7	52.6	55	57.1	59	60.6	62.1	63.4	64.7	65.8
50	43.3	43.3	42.6	45.5	48.7	51.6	54.1	56.2	58	59.7	61.2	62.5	63.8	64.9
60	42.5	42.5	41.8	44.7	48	50.9	53.3	55.4	57.3	59	60.4	61.8	63	64.2
70	41.8	41.8	41.2	44	47.3	50.2	52.7	54.8	56.6	58.3	59.8	61.1	62.4	63.6
80	41.2	41.2	40.5	43.4	46.7	49.6	52.1	54.2	56	57.7	59.2	60.5	61.8	63
90	40.7	40.7	40	42.8	46.2	49	51.5	53.6	55.5	57.1	58.6	60	61.3	62.4
100	40.1	40.1	39.5	42.3	45.6	48.5	51	53.1	55	56.6	58.1	59.5	60.8	61.9
110	39.7	39.7	39	41.9	45.2	48.1	50.5	52.7	54.5	56.2	57.7	59	60.3	61.5
120	39.2	39.2	38.6	41.4	44.7	47.6	50.1	52.2	54.1	55.8	57.3	58.6	59.9	61
130	38.8	38.8	38.2	41	44.3	47.2	49.7	51.8	53.7	55.4	56.9	58.2	59.5	60.6
140	38.5	38.5	37.8	40.7	44	46.9	49.3	51.5	53.3	55	56.5	57.9	59.1	60.3
150	38.1	38.1	37.4	40.3	43.6	46.5	49	51.1	53	54.6	56.1	57.5	58.8	59.9
160	37.8	37.8	37.1	40	43.3	46.2	48.7	50.8	52.7	54.3	55.8	57.2	58.5	59.6
170	37.5	37.5	36.8	39.7	43	45.9	48.4	50.5	52.4	54	55.5	56.9	58.2	59.3
180	37.2	37.2	36.5	39.4	42.7	45.6	48.1	50.2	52.1	53.7	55.2	56.6	57.9	59
190	36.9	36.9	36.3	39.1	42.4	45.3	47.8	49.9	51.8	53.5	55	56.3	57.6	58.8
200	36.7	36.7	36	38.9	42.2	45.1	47.6	49.7	51.6	53.2	54.7	56.1	57.4	58.5
210	36.4	36.4	35.8	38.6	41.9	44.8	47.3	49.4	51.3	53	54.5	55.9	57.1	58.3
220	36.2	36.2	35.5	38.4	41.7	44.6	47.1	49.2	51.1	52.7	54.3	55.6	56.9	58.1
230	36	36	35.3	38.2	41.5	44.4	46.9	49	50.9	52.5	54	55.4	56.7	57.8
240	35.7	35.7	35.1	38	41.3	44.2	46.6	48.8	50.7	52.3	53.8	55.2	56.5	57.6
250	35.5	35.5	34.9	37.8	41.1	44	46.4	48.6	50.4	52.1	53.6	55	56.3	57.4
260	35.3	35.3	34.7	37.6	40.9	43.8	46.2	48.4	50.3	51.9	53.4	54.8	56.1	57.2
270	35.2	35.2	34.5	37.4	40.7	43.6	46.1	48.2	50.1	51.7	53.2	54.6	55.9	57
280	35	35	34.3	37.2	40.5	43.4	45.9	48	49.9	51.6	53.1	54.4	55.7	56.9
290	34.8	34.8	34.1	37	40.3	43.2	45.7	47.8	49.7	51.4	52.9	54.3	55.5	56.7
300	34.6	34.6	34	36.8	40.2	43.1	45.5	47.7	49.5	51.2	52.7	54.1	55.4	56.5

* 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	46	46	45.3	48.2	51.4	54.3	56.7	58.8	60.6	62.3	63.7	65.1	66.3	67.4
30	44.8	44.8	44.1	46.9	50.2	53	55.5	57.6	59.4	61	62.5	63.9	65.1	66.2
40	43.4	43.4	42.8	45.6	48.9	51.8	54.2	56.3	58.2	59.8	61.3	62.6	63.9	65
50	42.5	42.5	41.8	44.6	47.9	50.8	53.3	55.4	57.2	58.9	60.4	61.7	63	64.1
60	41.7	41.7	41	43.9	47.2	50.1	52.5	54.6	56.5	58.1	59.6	61	62.2	63.4
70	41	41	40.4	43.2	46.5	49.4	51.9	54	55.8	57.5	59	60.3	61.6	62.7
80	40.4	40.4	39.7	42.6	45.9	48.8	51.3	53.4	55.2	56.9	58.4	59.7	61	62.2
90	39.9	39.9	39.2	42.1	45.4	48.3	50.7	52.8	54.7	56.4	57.8	59.2	60.5	61.6
100	39.4	39.4	38.7	41.6	44.9	47.8	50.2	52.3	54.2	55.9	57.4	58.7	60	61.1
110	38.9	38.9	38.2	41.1	44.4	47.3	49.8	51.9	53.7	55.4	56.9	58.3	59.5	60.7
120	38.5	38.5	37.8	40.7	44	46.9	49.3	51.5	53.3	55	56.5	57.8	59.1	60.3
130	38.1	38.1	37.4	40.3	43.6	46.5	48.9	51.1	52.9	54.6	56.1	57.5	58.7	59.9
140	37.7	37.7	37	39.9	43.2	46.1	48.6	50.7	52.6	54.2	55.7	57.1	58.3	59.5
150	37.3	37.3	36.7	39.5	42.9	45.8	48.2	50.3	52.2	53.9	55.4	56.7	58	59.2
160	37	37	36.4	39.2	42.5	45.4	47.9	50	51.9	53.6	55.1	56.4	57.7	58.8
170	36.7	36.7	36.1	38.9	42.2	45.1	47.6	49.7	51.6	53.3	54.8	56.1	57.4	58.5
180	36.4	36.4	35.8	38.6	41.9	44.8	47.3	49.4	51.3	53	54.5	55.8	57.1	58.3
190	36.2	36.2	35.5	38.4	41.7	44.6	47	49.2	51	52.7	54.2	55.6	56.8	58
200	35.9	35.9	35.2	38.1	41.4	44.3	46.8	48.9	50.8	52.5	54	55.3	56.6	57.7
210	35.7	35.7	35	37.9	41.2	44.1	46.5	48.7	50.5	52.2	53.7	55.1	56.3	57.5
220	35.4	35.4	34.8	37.6	40.9	43.8	46.3	48.4	50.3	52	53.5	54.9	56.1	57.3
230	35.2	35.2	34.5	37.4	40.7	43.6	46.1	48.2	50.1	51.8	53.3	54.6	55.9	57.1
240	35	35	34.3	37.2	40.5	43.4	45.9	48	49.9	51.5	53.1	54.4	55.7	56.9
250	34.8	34.8	34.1	37	40.3	43.2	45.7	47.8	49.7	51.3	52.9	54.2	55.5	56.7
260	34.6	34.6	33.9	36.8	40.1	43	45.5	47.6	49.5	51.2	52.7	54	55.3	56.5
270	34.4	34.4	33.7	36.6	39.9	42.8	45.3	47.4	49.3	51	52.5	53.8	55.1	56.3
280	34.2	34.2	33.5	36.4	39.7	42.6	45.1	47.2	49.1	50.8	52.3	53.7	54.9	56.1
290	34	34	33.4	36.2	39.6	42.5	44.9	47.1	48.9	50.6	52.1	53.5	54.7	55.9
300	33.9	33.9	33.2	36.1	39.4	42.3	44.8	46.9	48.8	50.4	51.9	53.3	54.6	55.7

* 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	45	45	44.3	47.1	50.4	53.2	55.7	57.8	59.6	61.2	62.7	64	65.2	66.4
30	44	44	43.3	46.1	49.4	52.2	54.7	56.8	58.6	60.3	61.7	63.1	64.3	65.5
40	42.7	42.7	42	44.9	48.2	51	53.5	55.6	57.4	59.1	60.6	61.9	63.1	64.3
50	41.7	41.7	41	43.9	47.2	50.1	52.5	54.6	56.5	58.1	59.6	61	62.2	63.4
60	40.9	40.9	40.2	43.1	46.4	49.3	51.7	53.9	55.7	57.4	58.9	60.2	61.5	62.6
70	40.2	40.2	39.6	42.4	45.7	48.6	51.1	53.2	55.1	56.7	58.2	59.6	60.8	62
80	39.6	39.6	39	41.8	45.1	48	50.5	52.6	54.5	56.1	57.6	59	60.2	61.4
90	39.1	39.1	38.4	41.3	44.6	47.5	50	52.1	53.9	55.6	57.1	58.5	59.7	60.9
100	38.6	38.6	37.9	40.8	44.1	47	49.5	51.6	53.5	55.1	56.6	58	59.2	60.4
110	38.2	38.2	37.5	40.3	43.7	46.5	49	51.1	53	54.7	56.2	57.5	58.8	59.9
120	37.7	37.7	37.1	39.9	43.2	46.1	48.6	50.7	52.6	54.2	55.7	57.1	58.4	59.5
130	37.3	37.3	36.7	39.5	42.8	45.7	48.2	50.3	52.2	53.9	55.4	56.7	58	59.1
140	37	37	36.3	39.2	42.5	45.4	47.8	50	51.8	53.5	55	56.4	57.6	58.8
150	36.6	36.6	36	38.8	42.1	45	47.5	49.6	51.5	53.2	54.6	56	57.3	58.4
160	36.3	36.3	35.6	38.5	41.8	44.7	47.2	49.3	51.2	52.8	54.3	55.7	57	58.1
170	36	36	35.3	38.2	41.5	44.4	46.9	49	50.9	52.5	54	55.4	56.7	57.8
180	35.7	35.7	35	37.9	41.2	44.1	46.6	48.7	50.6	52.3	53.8	55.1	56.4	57.5
190	35.4	35.4	34.8	37.6	41	43.8	46.3	48.5	50.3	52	53.5	54.9	56.1	57.3
200	35.2	35.2	34.5	37.4	40.7	43.6	46.1	48.2	50.1	51.7	53.2	54.6	55.9	57
210	34.9	34.9	34.3	37.1	40.5	43.4	45.8	48	49.8	51.5	53	54.4	55.6	56.8
220	34.7	34.7	34	36.9	40.2	43.1	45.6	47.7	49.6	51.3	52.8	54.1	55.4	56.6
230	34.5	34.5	33.8	36.7	40	42.9	45.4	47.5	49.4	51	52.5	53.9	55.2	56.3
240	34.3	34.3	33.6	36.5	39.8	42.7	45.2	47.3	49.2	50.8	52.3	53.7	55	56.1
250	34.1	34.1	33.4	36.3	39.6	42.5	45	47.1	49	50.6	52.1	53.5	54.8	55.9
260	33.9	33.9	33.2	36.1	39.4	42.3	44.8	46.9	48.8	50.4	51.9	53.3	54.6	55.7
270	33.7	33.7	33	35.9	39.2	42.1	44.6	46.7	48.6	50.2	51.7	53.1	54.4	55.5
280	33.5	33.5	32.8	35.7	39	41.9	44.4	46.5	48.4	50.1	51.6	52.9	54.2	55.4
290	33.3	33.3	32.6	35.5	38.8	41.7	44.2	46.3	48.2	49.9	51.4	52.8	54	55.2
300	33.1	33.1	32.5	35.3	38.7	41.6	44	46.2	48	49.7	51.2	52.6	53.9	55

* 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	44.1	44.1	43.4	46.2	49.5	52.4	54.8	56.9	58.7	60.3	61.8	63.1	64.4	65.5
30	43.3	43.3	42.6	45.4	48.7	51.6	54	56.1	58	59.6	61.1	62.4	63.6	64.8
40	42.1	42.1	41.4	44.3	47.5	50.4	52.9	55	56.8	58.4	59.9	61.3	62.5	63.7
50	41.1	41.1	40.4	43.3	46.6	49.5	51.9	54	55.9	57.5	59	60.3	61.6	62.7
60	40.3	40.3	39.6	42.5	45.8	48.6	51.1	53.2	55.1	56.7	58.2	59.6	60.8	62
70	39.6	39.6	38.9	41.8	45.1	48	50.4	52.5	54.4	56	57.5	58.9	60.1	61.3
80	39	39	38.3	41.2	44.5	47.4	49.8	51.9	53.8	55.5	57	58.3	59.6	60.7
90	38.4	38.4	37.8	40.6	43.9	46.8	49.3	51.4	53.3	54.9	56.4	57.8	59	60.2
100	38	38	37.3	40.1	43.4	46.3	48.8	50.9	52.8	54.5	55.9	57.3	58.6	59.7
110	37.5	37.5	36.8	39.7	43	45.9	48.4	50.5	52.3	54	55.5	56.9	58.1	59.3
120	37.1	37.1	36.4	39.3	42.6	45.5	47.9	50.1	51.9	53.6	55.1	56.5	57.7	58.9
130	36.7	36.7	36	38.9	42.2	45.1	47.6	49.7	51.5	53.2	54.7	56.1	57.3	58.5
140	36.3	36.3	35.7	38.5	41.8	44.7	47.2	49.3	51.2	52.8	54.3	55.7	57	58.1
150	36	36	35.3	38.2	41.5	44.4	46.8	49	50.8	52.5	54	55.4	56.6	57.8
160	35.6	35.6	35	37.8	41.2	44.1	46.5	48.7	50.5	52.2	53.7	55	56.3	57.5
170	35.4	35.4	34.7	37.6	40.9	43.8	46.2	48.4	50.2	51.9	53.4	54.8	56	57.2
180	35.1	35.1	34.4	37.3	40.6	43.5	45.9	48.1	49.9	51.6	53.1	54.5	55.7	56.9
190	34.8	34.8	34.1	37	40.3	43.2	45.7	47.8	49.7	51.3	52.8	54.2	55.5	56.6
200	34.5	34.5	33.9	36.7	40	42.9	45.4	47.5	49.4	51.1	52.6	54	55.2	56.4
210	34.3	34.3	33.6	36.5	39.8	42.7	45.2	47.3	49.2	50.8	52.3	53.7	55	56.1
220	34	34	33.4	36.3	39.6	42.5	44.9	47.1	48.9	50.6	52.1	53.5	54.7	55.9
230	33.8	33.8	33.2	36	39.3	42.2	44.7	46.9	48.7	50.4	51.9	53.3	54.5	55.7
240	33.6	33.6	33	35.8	39.1	42	44.5	46.6	48.5	50.2	51.7	53	54.3	55.5
250	33.4	33.4	32.7	35.6	38.9	41.8	44.3	46.4	48.3	50	51.5	52.8	54.1	55.3
260	33.2	33.2	32.5	35.4	38.7	41.6	44.1	46.2	48.1	49.8	51.3	52.6	53.9	55.1
270	33	33	32.4	35.2	38.5	41.4	43.9	46	47.9	49.6	51.1	52.5	53.7	54.9
280	32.8	32.8	32.2	35	38.4	41.3	43.7	45.9	47.7	49.4	50.9	52.3	53.5	54.7
290	32.7	32.7	32	34.9	38.2	41.1	43.6	45.7	47.6	49.2	50.7	52.1	53.4	54.5
300	32.5	32.5	31.8	34.7	38	40.9	43.4	45.5	47.4	49.1	50.6	51.9	53.2	54.4

* 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	43.5	43.5	42.7	45.6	48.8	51.7	54.1	56.2	58	59.7	61.1	62.5	63.7	64.8
30	42.7	42.7	42	44.8	48.1	51	53.4	55.5	57.4	59	60.5	61.8	63	64.2
40	41.6	41.6	40.9	43.7	47	49.9	52.3	54.4	56.3	57.9	59.4	60.7	62	63.1
50	40.6	40.6	39.9	42.7	46	48.9	51.3	53.4	55.3	56.9	58.4	59.8	61	62.2
60	39.7	39.7	39.1	41.9	45.2	48.1	50.5	52.6	54.5	56.2	57.6	59	60.2	61.4
70	39	39	38.4	41.2	44.5	47.4	49.9	52	53.8	55.5	57	58.3	59.6	60.7
80	38.4	38.4	37.8	40.6	43.9	46.8	49.3	51.4	53.2	54.9	56.4	57.7	59	60.1
90	37.9	37.9	37.2	40.1	43.4	46.3	48.7	50.8	52.7	54.4	55.9	57.2	58.5	59.6
100	37.4	37.4	36.7	39.6	42.9	45.8	48.2	50.4	52.2	53.9	55.4	56.7	58	59.1
110	36.9	36.9	36.3	39.1	42.4	45.3	47.8	49.9	51.8	53.4	54.9	56.3	57.5	58.7
120	36.5	36.5	35.9	38.7	42	44.9	47.4	49.5	51.4	53	54.5	55.9	57.1	58.3
130	36.1	36.1	35.5	38.3	41.6	44.5	47	49.1	51	52.6	54.1	55.5	56.8	57.9
140	35.8	35.8	35.1	38	41.3	44.2	46.6	48.7	50.6	52.3	53.8	55.1	56.4	57.5
150	35.4	35.4	34.7	37.6	40.9	43.8	46.3	48.4	50.3	51.9	53.4	54.8	56	57.2
160	35.1	35.1	34.4	37.3	40.6	43.5	46	48.1	49.9	51.6	53.1	54.5	55.7	56.9
170	34.8	34.8	34.1	37	40.3	43.2	45.7	47.8	49.7	51.3	52.8	54.2	55.4	56.6
180	34.5	34.5	33.8	36.7	40	42.9	45.4	47.5	49.4	51	52.5	53.9	55.1	56.3
190	34.2	34.2	33.6	36.4	39.7	42.6	45.1	47.2	49.1	50.8	52.3	53.6	54.9	56
200	34	34	33.3	36.2	39.5	42.4	44.8	47	48.8	50.5	52	53.4	54.6	55.8
210	33.7	33.7	33.1	35.9	39.2	42.1	44.6	46.7	48.6	50.3	51.8	53.1	54.4	55.5
220	33.5	33.5	32.8	35.7	39	41.9	44.4	46.5	48.4	50	51.5	52.9	54.1	55.3
230	33.3	33.3	32.6	35.5	38.8	41.7	44.1	46.3	48.1	49.8	51.3	52.7	53.9	55.1
240	33	33	32.4	35.2	38.5	41.4	43.9	46	47.9	49.6	51.1	52.5	53.7	54.9
250	32.8	32.8	32.2	35	38.3	41.2	43.7	45.8	47.7	49.4	50.9	52.3	53.5	54.7
260	32.6	32.6	32	34.8	38.1	41	43.5	45.6	47.5	49.2	50.7	52.1	53.3	54.5
270	32.4	32.4	31.8	34.6	38	40.9	43.3	45.5	47.3	49	50.5	51.9	53.1	54.3
280	32.2	32.2	31.6	34.5	37.8	40.7	43.1	45.3	47.1	48.8	50.3	51.7	52.9	54.1
290	32.1	32.1	31.4	34.3	37.6	40.5	43	45.1	47	48.6	50.1	51.5	52.8	53.9
300	31.9	31.9	31.2	34.1	37.4	40.3	42.8	44.9	46.8	48.5	50	51.3	52.6	53.8

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

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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	45.9	45.9	43.9	45.5	48.1	50.5	52.6	54.4	56	57.5	58.8	60	61.2	62.2
50	45.5	45.5	43.5	45	47.6	49.9	52	53.8	55.3	56.7	58	59.2	60.3	61.4
60	45.2	45.2	43.2	44.7	47.2	49.6	51.6	53.3	54.9	56.2	57.5	58.6	59.7	60.7
70	44.8	44.8	42.8	44.3	46.9	49.2	51.2	53	54.5	55.8	57	58.1	59.2	60.1
80	44.5	44.5	42.4	44	46.5	48.9	50.9	52.6	54.2	55.5	56.7	57.8	58.9	59.8
90	44.1	44.1	42.1	43.6	46.2	48.5	50.6	52.3	53.8	55.2	56.4	57.5	58.6	59.5
100	43.7	43.7	41.7	43.3	45.8	48.2	50.2	52	53.5	54.9	56.1	57.2	58.3	59.3
110	43.3	43.3	41.4	42.9	45.5	47.9	49.9	51.7	53.2	54.6	55.8	57	58	59
120	43	43	41	42.6	45.2	47.5	49.6	51.4	52.9	54.3	55.5	56.7	57.7	58.7
130	42.7	42.7	40.7	42.3	44.8	47.2	49.3	51	52.6	54	55.2	56.3	57.4	58.4
140	42.3	42.3	40.4	41.9	44.5	46.9	49	50.7	52.3	53.7	54.9	56	57.1	58.1
150	42	42	40	41.6	44.2	46.6	48.7	50.4	52	53.3	54.6	55.7	56.8	57.8
160	41.7	41.7	39.8	41.3	43.9	46.3	48.4	50.1	51.7	53	54.3	55.4	56.5	57.5
170	41.5	41.5	39.5	41	43.6	46	48.1	49.8	51.4	52.8	54	55.1	56.2	57.2
180	41.2	41.2	39.2	40.8	43.3	45.7	47.8	49.6	51.1	52.5	53.7	54.9	55.9	56.9
190	40.9	40.9	38.9	40.5	43.1	45.5	47.5	49.3	50.8	52.2	53.4	54.6	55.6	56.6
200	40.7	40.7	38.7	40.3	42.8	45.2	47.3	49	50.6	51.9	53.2	54.3	55.4	56.4
210	40.4	40.4	38.4	40	42.6	45	47	48.8	50.3	51.7	52.9	54.1	55.1	56.1
220	40.2	40.2	38.2	39.8	42.3	44.7	46.8	48.5	50.1	51.4	52.7	53.8	54.9	55.8
230	40	40	38	39.5	42.1	44.5	46.5	48.3	49.8	51.2	52.4	53.5	54.6	55.6
240	39.8	39.8	37.8	39.3	41.9	44.3	46.3	48.1	49.6	50.9	52.2	53.3	54.4	55.3
250	39.5	39.5	37.5	39.1	41.7	44	46.1	47.8	49.4	50.7	51.9	53.1	54.1	55.1
260	39.3	39.3	37.3	38.9	41.4	43.8	45.9	47.6	49.1	50.5	51.7	52.8	53.9	54.9
270	39.1	39.1	37.1	38.7	41.2	43.6	45.6	47.4	48.9	50.3	51.5	52.6	53.6	54.6
280	39	39	36.9	38.5	41	43.4	45.4	47.2	48.7	50.1	51.3	52.4	53.4	54.4
290	38.8	38.8	36.8	38.3	40.8	43.2	45.2	47	48.5	49.8	51.1	52.2	53.2	54.2
300	38.6	38.6	36.6	38.1	40.7	43	45	46.8	48.3	49.6	50.9	52	53	54

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	43.8	43.8	41.7	43.1	45.6	47.9	49.8	51.5	53	54.4	55.6	56.8	57.8	58.8
50	43.7	43.7	41.5	43	45.4	47.7	49.6	51.3	52.8	54.1	55.4	56.5	57.6	58.6
60	43.5	43.5	41.3	42.8	45.2	47.5	49.4	51.1	52.6	53.9	55.1	56.2	57.2	58.2
70	43.1	43.1	40.9	42.4	44.8	47.1	49	50.6	52.1	53.3	54.5	55.5	56.5	57.5
80	42.7	42.7	40.6	42	44.4	46.7	48.6	50.2	51.7	52.9	54	55.1	56.1	57
90	42.4	42.4	40.2	41.7	44.1	46.4	48.3	49.9	51.3	52.6	53.7	54.8	55.7	56.6
100	42	42	39.9	41.3	43.8	46	48	49.6	51	52.3	53.4	54.5	55.4	56.3
110	41.7	41.7	39.6	41	43.5	45.7	47.7	49.3	50.8	52	53.2	54.2	55.2	56.1
120	41.4	41.4	39.3	40.7	43.2	45.4	47.4	49.1	50.5	51.8	52.9	54	54.9	55.9
130	41	41	38.9	40.4	42.9	45.2	47.1	48.8	50.2	51.5	52.7	53.7	54.7	55.6
140	40.7	40.7	38.7	40.1	42.6	44.9	46.8	48.5	49.9	51.2	52.4	53.5	54.4	55.4
150	40.5	40.5	38.4	39.8	42.3	44.6	46.5	48.2	49.7	51	52.1	53.2	54.2	55.1
160	40.2	40.2	38.1	39.6	42	44.3	46.3	47.9	49.4	50.7	51.9	52.9	53.9	54.9
170	39.9	39.9	37.8	39.3	41.8	44	46	47.7	49.1	50.4	51.6	52.7	53.7	54.6
180	39.7	39.7	37.6	39	41.5	43.8	45.7	47.4	48.9	50.2	51.3	52.4	53.4	54.3
190	39.4	39.4	37.3	38.8	41.3	43.5	45.5	47.2	48.6	49.9	51.1	52.2	53.2	54.1
200	39.2	39.2	37.1	38.5	41	43.3	45.3	46.9	48.4	49.7	50.8	51.9	52.9	53.9
210	38.9	38.9	36.8	38.3	40.8	43.1	45	46.7	48.1	49.4	50.6	51.7	52.7	53.6
220	38.7	38.7	36.6	38.1	40.5	42.8	44.8	46.5	47.9	49.2	50.4	51.4	52.4	53.4
230	38.5	38.5	36.4	37.9	40.3	42.6	44.6	46.2	47.7	49	50.1	51.2	52.2	53.1
240	38.3	38.3	36.2	37.7	40.1	42.4	44.3	46	47.5	48.7	49.9	51	52	52.9
250	38.1	38.1	36	37.4	39.9	42.2	44.1	45.8	47.2	48.5	49.7	50.7	51.7	52.7
260	37.9	37.9	35.8	37.2	39.7	42	43.9	45.6	47	48.3	49.5	50.5	51.5	52.4
270	37.7	37.7	35.6	37.1	39.5	41.8	43.7	45.4	46.8	48.1	49.3	50.3	51.3	52.2
280	37.5	37.5	35.4	36.9	39.3	41.6	43.5	45.2	46.6	47.9	49	50.1	51.1	52
290	37.3	37.3	35.2	36.7	39.1	41.4	43.3	45	46.4	47.7	48.8	49.9	50.9	51.8
300	37.2	37.2	35	36.5	38.9	41.2	43.1	44.8	46.2	47.5	48.6	49.7	50.7	51.6

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	42.4	42.4	40.2	41.5	43.9	46.1	48	49.7	51.1	52.4	53.6	54.6	55.7	56.6
50	42.3	42.3	40.1	41.5	43.9	46.1	48	49.6	51	52.3	53.5	54.5	55.5	56.5
60	42.1	42.1	39.9	41.3	43.7	45.9	47.8	49.5	50.9	52.2	53.3	54.4	55.5	56.4
70	41.7	41.7	39.5	40.9	43.3	45.5	47.3	48.9	50.3	51.6	52.7	53.7	54.7	55.6
80	41.3	41.3	39.1	40.5	42.9	45.1	46.9	48.5	49.8	51.1	52.1	53.2	54.1	55
90	41	41	38.8	40.2	42.5	44.7	46.6	48.1	49.5	50.7	51.8	52.7	53.7	54.5
100	40.7	40.7	38.5	39.9	42.2	44.4	46.3	47.8	49.2	50.4	51.5	52.4	53.4	54.2
110	40.3	40.3	38.2	39.5	41.9	44.1	46	47.6	48.9	50.1	51.2	52.2	53.1	53.9
120	40	40	37.9	39.3	41.6	43.8	45.7	47.3	48.7	49.9	50.9	51.9	52.9	53.7
130	39.7	39.7	37.6	39	41.4	43.6	45.4	47	48.4	49.6	50.7	51.7	52.6	53.5
140	39.5	39.5	37.3	38.7	41.1	43.3	45.2	46.8	48.2	49.4	50.5	51.5	52.4	53.3
150	39.2	39.2	37	38.4	40.8	43	44.9	46.5	47.9	49.1	50.2	51.2	52.2	53.1
160	38.9	38.9	36.8	38.2	40.6	42.8	44.7	46.3	47.7	48.9	50	51	52	52.8
170	38.7	38.7	36.5	37.9	40.3	42.5	44.4	46	47.4	48.7	49.8	50.8	51.7	52.6
180	38.4	38.4	36.3	37.7	40.1	42.3	44.2	45.8	47.2	48.4	49.5	50.6	51.5	52.4
190	38.2	38.2	36	37.4	39.8	42.1	44	45.6	47	48.2	49.3	50.3	51.3	52.2
200	38	38	35.8	37.2	39.6	41.8	43.7	45.3	46.7	48	49.1	50.1	51.1	51.9
210	37.7	37.7	35.6	37	39.4	41.6	43.5	45.1	46.5	47.7	48.9	49.9	50.8	51.7
220	37.5	37.5	35.4	36.8	39.2	41.4	43.3	44.9	46.3	47.5	48.6	49.7	50.6	51.5
230	37.3	37.3	35.1	36.6	39	41.2	43.1	44.7	46.1	47.3	48.4	49.4	50.4	51.3
240	37.1	37.1	34.9	36.4	38.7	41	42.9	44.5	45.9	47.1	48.2	49.2	50.2	51.1
250	36.9	36.9	34.7	36.2	38.5	40.8	42.7	44.3	45.7	46.9	48	49	50	50.8
260	36.7	36.7	34.6	36	38.4	40.6	42.5	44.1	45.5	46.7	47.8	48.8	49.8	50.6
270	36.5	36.5	34.4	35.8	38.2	40.4	42.3	43.9	45.3	46.5	47.6	48.6	49.6	50.4
280	36.4	36.4	34.2	35.6	38	40.2	42.1	43.7	45.1	46.3	47.4	48.4	49.3	50.2
290	36.2	36.2	34	35.4	37.8	40	41.9	43.5	44.9	46.1	47.2	48.2	49.2	50
300	36	36	33.8	35.2	37.6	39.8	41.7	43.3	44.7	45.9	47	48	49	49.8

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	41.1	41.1	38.9	40.3	42.6	44.8	46.6	48.2	49.6	50.8	52	53	54	54.9
50	41.2	41.2	39	40.3	42.7	44.8	46.7	48.3	49.7	50.9	52	53	54	54.9
60	41	41	38.8	40.2	42.6	44.8	46.6	48.2	49.6	50.9	52	53.1	54.1	55
70	40.6	40.6	38.4	39.7	42.1	44.2	46.1	47.6	49	50.2	51.3	52.3	53.3	54.2
80	40.2	40.2	38	39.3	41.6	43.8	45.6	47.1	48.4	49.6	50.7	51.7	52.6	53.4
90	39.9	39.9	37.6	38.9	41.3	43.4	45.2	46.7	48	49.2	50.2	51.2	52.1	52.9
100	39.5	39.5	37.3	38.6	41	43.1	44.9	46.4	47.7	48.9	49.9	50.9	51.7	52.6
110	39.2	39.2	37	38.3	40.7	42.8	44.6	46.1	47.5	48.6	49.6	50.6	51.5	52.3
120	38.9	38.9	36.7	38.1	40.4	42.5	44.4	45.9	47.2	48.4	49.4	50.3	51.2	52
130	38.7	38.7	36.5	37.8	40.1	42.3	44.1	45.6	47	48.1	49.2	50.1	51	51.8
140	38.4	38.4	36.2	37.5	39.9	42	43.9	45.4	46.7	47.9	48.9	49.9	50.8	51.6
150	38.1	38.1	35.9	37.3	39.6	41.8	43.6	45.2	46.5	47.7	48.7	49.7	50.6	51.4
160	37.9	37.9	35.7	37	39.4	41.6	43.4	44.9	46.3	47.5	48.5	49.5	50.4	51.2
170	37.6	37.6	35.4	36.8	39.1	41.3	43.2	44.7	46.1	47.2	48.3	49.3	50.2	51
180	37.4	37.4	35.2	36.6	38.9	41.1	42.9	44.5	45.8	47	48.1	49.1	50	50.8
190	37.2	37.2	35	36.3	38.7	40.9	42.7	44.3	45.6	46.8	47.9	48.8	49.7	50.6
200	36.9	36.9	34.8	36.1	38.5	40.7	42.5	44.1	45.4	46.6	47.7	48.6	49.5	50.4
210	36.7	36.7	34.5	35.9	38.3	40.4	42.3	43.9	45.2	46.4	47.5	48.4	49.3	50.2
220	36.5	36.5	34.3	35.7	38.1	40.2	42.1	43.6	45	46.2	47.3	48.2	49.1	50
230	36.3	36.3	34.1	35.5	37.9	40	41.9	43.4	44.8	46	47.1	48	48.9	49.8
240	36.1	36.1	33.9	35.3	37.7	39.8	41.7	43.2	44.6	45.8	46.8	47.8	48.7	49.6
250	35.9	35.9	33.7	35.1	37.5	39.6	41.5	43	44.4	45.6	46.7	47.6	48.5	49.4
260	35.7	35.7	33.5	34.9	37.3	39.4	41.3	42.9	44.2	45.4	46.5	47.4	48.3	49.2
270	35.6	35.6	33.4	34.7	37.1	39.3	41.1	42.7	44	45.2	46.3	47.2	48.1	49
280	35.4	35.4	33.2	34.6	36.9	39.1	40.9	42.5	43.8	45	46.1	47	48	48.8
290	35.2	35.2	33	34.4	36.7	38.9	40.7	42.3	43.6	44.8	45.9	46.9	47.8	48.6
300	35.1	35.1	32.9	34.2	36.6	38.7	40.6	42.1	43.5	44.6	45.7	46.7	47.6	48.4

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	40.1	40.1	37.9	39.2	41.5	43.7	45.5	47.1	48.4	49.7	50.8	51.8	52.8	53.7
50	40.3	40.3	38	39.3	41.6	43.8	45.6	47.1	48.5	49.7	50.8	51.8	52.7	53.6
60	40.2	40.2	37.9	39.3	41.6	43.8	45.6	47.2	48.6	49.8	50.9	52	52.9	53.8
70	39.7	39.7	37.5	38.8	41.1	43.2	45	46.6	47.9	49.1	50.2	51.2	52.1	53
80	39.3	39.3	37	38.3	40.6	42.7	44.5	46	47.3	48.5	49.5	50.5	51.4	52.3
90	38.9	38.9	36.6	37.9	40.2	42.3	44.1	45.6	46.9	48	49	50	50.8	51.7
100	38.6	38.6	36.3	37.6	39.9	42	43.8	45.2	46.5	47.6	48.6	49.6	50.4	51.2
110	38.3	38.3	36	37.3	39.6	41.7	43.5	45	46.2	47.4	48.4	49.3	50.1	50.9
120	38	38	35.8	37.1	39.3	41.4	43.2	44.7	46	47.1	48.1	49	49.8	50.6
130	37.7	37.7	35.5	36.8	39.1	41.2	43	44.5	45.7	46.9	47.9	48.8	49.6	50.4
140	37.5	37.5	35.2	36.5	38.8	41	42.7	44.2	45.5	46.6	47.6	48.6	49.4	50.2
150	37.2	37.2	35	36.3	38.6	40.7	42.5	44	45.3	46.4	47.4	48.3	49.2	50
160	37	37	34.7	36.1	38.4	40.5	42.3	43.8	45.1	46.2	47.2	48.1	49	49.8
170	36.7	36.7	34.5	35.8	38.1	40.3	42.1	43.6	44.9	46	47	47.9	48.8	49.6
180	36.5	36.5	34.3	35.6	37.9	40.1	41.9	43.4	44.7	45.8	46.8	47.8	48.6	49.4
190	36.3	36.3	34.1	35.4	37.7	39.8	41.6	43.2	44.5	45.6	46.6	47.6	48.4	49.2
200	36.1	36.1	33.8	35.2	37.5	39.6	41.4	43	44.3	45.4	46.4	47.4	48.2	49
210	35.9	35.9	33.6	35	37.3	39.4	41.2	42.8	44.1	45.2	46.2	47.2	48	48.8
220	35.7	35.7	33.4	34.8	37.1	39.2	41	42.6	43.9	45	46.1	47	47.9	48.7
230	35.5	35.5	33.2	34.6	36.9	39	40.8	42.4	43.7	44.8	45.9	46.8	47.7	48.5
240	35.3	35.3	33	34.4	36.7	38.8	40.7	42.2	43.5	44.6	45.7	46.6	47.5	48.3
250	35.1	35.1	32.9	34.2	36.5	38.7	40.5	42	43.3	44.5	45.5	46.4	47.3	48.1
260	34.9	34.9	32.7	34	36.3	38.5	40.3	41.8	43.1	44.3	45.3	46.2	47.1	47.9
270	34.7	34.7	32.5	33.8	36.2	38.3	40.1	41.6	42.9	44.1	45.1	46.1	46.9	47.7
280	34.6	34.6	32.3	33.7	36	38.1	39.9	41.4	42.8	43.9	44.9	45.9	46.7	47.5
290	34.4	34.4	32.2	33.5	35.8	37.9	39.8	41.3	42.6	43.7	44.8	45.7	46.6	47.4
300	34.2	34.2	32	33.3	35.6	37.8	39.6	41.1	42.4	43.6	44.6	45.5	46.4	47.2

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	39.2	36.9	38.3	40.6	42.7	44.6	46.1	47.5	48.7	49.8	50.9	51.8	52.8
50	39.4	39.4	37.2	38.5	40.8	42.9	44.7	46.2	47.5	48.6	49.7	50.7	51.6	52.5
60	39.4	39.4	37.1	38.5	40.8	42.9	44.8	46.3	47.7	48.9	50	51	51.9	52.8
70	38.9	38.9	36.6	37.9	40.2	42.3	44.1	45.6	46.9	48.1	49.2	50.1	51	51.9
80	38.5	38.5	36.2	37.5	39.7	41.8	43.6	45.1	46.4	47.5	48.5	49.5	50.4	51.3
90	38.1	38.1	35.8	37.1	39.3	41.4	43.2	44.7	45.9	47	48.1	49	49.9	50.7
100	37.8	37.8	35.5	36.7	39	41.1	42.8	44.3	45.5	46.6	47.6	48.5	49.4	50.2
110	37.5	37.5	35.2	36.4	38.7	40.8	42.5	44	45.2	46.3	47.3	48.2	49	49.8
120	37.2	37.2	34.9	36.2	38.4	40.5	42.2	43.7	44.9	46	47	47.9	48.7	49.5
130	36.9	36.9	34.6	35.9	38.2	40.3	42	43.5	44.7	45.8	46.7	47.6	48.4	49.2
140	36.7	36.7	34.4	35.7	37.9	40	41.8	43.2	44.5	45.6	46.5	47.4	48.2	49
150	36.4	36.4	34.1	35.4	37.7	39.8	41.5	43	44.2	45.3	46.3	47.2	48	48.7
160	36.2	36.2	33.9	35.2	37.5	39.6	41.3	42.8	44	45.1	46.1	47	47.8	48.5
170	35.9	35.9	33.7	35	37.2	39.3	41.1	42.6	43.8	44.9	45.9	46.8	47.6	48.3
180	35.7	35.7	33.4	34.7	37	39.1	40.9	42.4	43.6	44.7	45.7	46.6	47.4	48.1
190	35.5	35.5	33.2	34.5	36.8	38.9	40.7	42.2	43.4	44.5	45.5	46.4	47.2	48
200	35.3	35.3	33	34.3	36.6	38.7	40.5	42	43.2	44.3	45.3	46.2	47	47.8
210	35.1	35.1	32.8	34.1	36.4	38.5	40.3	41.8	43	44.1	45.1	46	46.8	47.6
220	34.9	34.9	32.6	33.9	36.2	38.3	40.1	41.6	42.8	44	44.9	45.8	46.7	47.4
230	34.7	34.7	32.4	33.7	36	38.1	39.9	41.4	42.7	43.8	44.8	45.7	46.5	47.3
240	34.5	34.5	32.2	33.5	35.8	37.9	39.7	41.2	42.5	43.6	44.6	45.5	46.3	47.1
250	34.3	34.3	32.1	33.4	35.6	37.8	39.5	41	42.3	43.4	44.4	45.3	46.1	46.9
260	34.1	34.1	31.9	33.2	35.5	37.6	39.4	40.8	42.1	43.2	44.2	45.1	45.9	46.7
270	34	34	31.7	33	35.3	37.4	39.2	40.7	41.9	43.1	44	44.9	45.8	46.5
280	33.8	33.8	31.5	32.8	35.1	37.2	39	40.5	41.8	42.9	43.9	44.8	45.6	46.4
290	33.6	33.6	31.4	32.7	35	37.1	38.8	40.3	41.6	42.7	43.7	44.6	45.4	46.2
300	33.5	33.5	31.2	32.5	34.8	36.9	38.7	40.2	41.4	42.5	43.5	44.4	45.3	46

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	38.3	38.3	36	37.3	39.6	41.8	43.6	45.1	46.5	47.6	48.7	49.7	50.7	51.6
50	38.7	38.7	36.4	37.7	40	42	43.8	45.3	46.6	47.7	48.8	49.8	50.7	51.5
60	38.6	38.6	36.4	37.7	40	42.1	43.9	45.4	46.7	47.9	49	49.9	50.8	51.7
70	38.2	38.2	35.9	37.2	39.4	41.5	43.3	44.8	46	47.2	48.2	49.1	50	50.9
80	37.7	37.7	35.4	36.7	38.9	41	42.7	44.2	45.5	46.6	47.6	48.5	49.4	50.2
90	37.4	37.4	35.1	36.3	38.6	40.6	42.4	43.8	45.1	46.2	47.1	48.1	48.9	49.7
100	37	37	34.7	36	38.2	40.3	42	43.4	44.7	45.8	46.7	47.6	48.5	49.3
110	36.7	36.7	34.4	35.7	37.9	40	41.7	43.1	44.4	45.4	46.4	47.3	48.1	48.9
120	36.4	36.4	34.1	35.4	37.6	39.7	41.4	42.8	44.1	45.1	46.1	46.9	47.7	48.5
130	36.2	36.2	33.9	35.1	37.4	39.4	41.1	42.6	43.8	44.8	45.8	46.6	47.4	48.2
140	35.9	35.9	33.6	34.9	37.1	39.2	40.9	42.3	43.5	44.6	45.5	46.4	47.1	47.9
150	35.7	35.7	33.4	34.6	36.9	38.9	40.7	42.1	43.3	44.3	45.3	46.1	46.9	47.6
160	35.4	35.4	33.1	34.4	36.6	38.7	40.4	41.9	43.1	44.1	45.1	45.9	46.7	47.4
170	35.2	35.2	32.9	34.2	36.4	38.5	40.2	41.6	42.9	43.9	44.8	45.7	46.5	47.2
180	35	35	32.7	34	36.2	38.3	40	41.4	42.7	43.7	44.6	45.5	46.3	47
190	34.8	34.8	32.5	33.7	36	38.1	39.8	41.2	42.5	43.5	44.5	45.3	46.1	46.8
200	34.5	34.5	32.3	33.5	35.8	37.9	39.6	41	42.3	43.3	44.3	45.1	45.9	46.6
210	34.3	34.3	32.1	33.3	35.6	37.7	39.4	40.9	42.1	43.1	44.1	44.9	45.7	46.4
220	34.1	34.1	31.9	33.1	35.4	37.5	39.2	40.7	41.9	43	43.9	44.8	45.5	46.3
230	34	34	31.7	33	35.2	37.3	39	40.5	41.7	42.8	43.7	44.6	45.4	46.1
240	33.8	33.8	31.5	32.8	35	37.1	38.8	40.3	41.5	42.6	43.6	44.4	45.2	45.9
250	33.6	33.6	31.3	32.6	34.8	36.9	38.7	40.1	41.4	42.4	43.4	44.2	45	45.8
260	33.4	33.4	31.1	32.4	34.7	36.7	38.5	39.9	41.2	42.3	43.2	44.1	44.9	45.6
270	33.2	33.2	31	32.2	34.5	36.6	38.3	39.8	41	42.1	43	43.9	44.7	45.4
280	33.1	33.1	30.8	32.1	34.3	36.4	38.1	39.6	40.8	41.9	42.9	43.7	44.5	45.3
290	32.9	32.9	30.6	31.9	34.2	36.2	38	39.4	40.7	41.7	42.7	43.6	44.4	45.1
300	32.7	32.7	30.5	31.7	34	36.1	37.8	39.3	40.5	41.6	42.5	43.4	44.2	44.9

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	37.4	37.4	35.2	36.5	38.8	40.9	42.7	44.2	45.5	46.7	47.7	48.7	49.6	50.5
50	38	38	35.7	37	39.2	41.3	43.1	44.5	45.8	46.9	47.9	48.9	49.7	50.6
60	38	38	35.7	37	39.3	41.4	43.2	44.7	46	47.1	48.2	49.1	50	50.9
70	37.5	37.5	35.2	36.5	38.7	40.8	42.5	44	45.3	46.4	47.4	48.3	49.2	50
80	37.1	37.1	34.8	36	38.2	40.3	42	43.5	44.7	45.8	46.8	47.7	48.5	49.3
90	36.7	36.7	34.4	35.6	37.9	39.9	41.6	43.1	44.3	45.4	46.3	47.2	48.1	48.9
100	36.4	36.4	34.1	35.3	37.5	39.6	41.3	42.7	43.9	45	45.9	46.8	47.7	48.4
110	36.1	36.1	33.8	35	37.2	39.2	40.9	42.4	43.6	44.6	45.6	46.4	47.2	48
120	35.8	35.8	33.5	34.7	36.9	38.9	40.6	42.1	43.3	44.3	45.2	46.1	46.9	47.6
130	35.5	35.5	33.2	34.4	36.6	38.7	40.4	41.8	43	44	44.9	45.8	46.6	47.3
140	35.3	35.3	32.9	34.2	36.4	38.4	40.1	41.5	42.7	43.8	44.7	45.5	46.3	47
150	35	35	32.7	33.9	36.1	38.2	39.9	41.3	42.5	43.5	44.4	45.2	46	46.7
160	34.8	34.8	32.5	33.7	35.9	38	39.6	41.1	42.2	43.3	44.2	45	45.8	46.5
170	34.5	34.5	32.2	33.5	35.7	37.7	39.4	40.8	42	43.1	44	44.8	45.5	46.2
180	34.3	34.3	32	33.3	35.5	37.5	39.2	40.6	41.8	42.8	43.8	44.6	45.3	46
190	34.1	34.1	31.8	33	35.3	37.3	39	40.4	41.6	42.6	43.6	44.4	45.1	45.8
200	33.9	33.9	31.6	32.8	35.1	37.1	38.8	40.2	41.4	42.5	43.4	44.2	44.9	45.6
210	33.7	33.7	31.4	32.6	34.9	36.9	38.6	40	41.2	42.3	43.2	44	44.7	45.4
220	33.5	33.5	31.2	32.4	34.7	36.7	38.4	39.8	41	42.1	43	43.8	44.6	45.3
230	33.3	33.3	31	32.3	34.5	36.5	38.2	39.7	40.9	41.9	42.8	43.6	44.4	45.1
240	33.1	33.1	30.8	32.1	34.3	36.4	38.1	39.5	40.7	41.7	42.6	43.5	44.2	44.9
250	32.9	32.9	30.6	31.9	34.1	36.2	37.9	39.3	40.5	41.6	42.5	43.3	44	44.7
260	32.8	32.8	30.5	31.7	34	36	37.7	39.1	40.3	41.4	42.3	43.1	43.9	44.6
270	32.6	32.6	30.3	31.5	33.8	35.8	37.5	39	40.2	41.2	42.1	43	43.7	44.4
280	32.4	32.4	30.1	31.4	33.6	35.7	37.4	38.8	40	41	42	42.8	43.6	44.3
290	32.3	32.3	30	31.2	33.4	35.5	37.2	38.6	39.8	40.9	41.8	42.6	43.4	44.1
300	32.1	32.1	29.8	31.1	33.3	35.3	37.1	38.5	39.7	40.7	41.6	42.5	43.2	43.9

* 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	58.1	58.1	56.4	58.4	61.3	64	66.4	68.5	70.4	72	73.5	74.9	76.2	77.4
20	55.2	55.2	53.5	55.4	58.3	61	63.4	65.5	67.3	68.9	70.4	71.8	73	74.2
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	36.8	34.5	35.8	38.1	40.2	42	43.6	44.9	46.1	47.1	48.1	49	49.9
50	37.4	37.4	35.1	36.3	38.6	40.6	42.4	43.8	45.1	46.2	47.2	48.1	49	49.8
60	37.3	37.3	35	36.3	38.6	40.7	42.4	43.9	45.2	46.3	47.3	48.3	49.2	50
70	36.9	36.9	34.6	35.8	38.1	40.1	41.9	43.3	44.6	45.7	46.6	47.5	48.4	49.2
80	36.5	36.5	34.2	35.4	37.6	39.7	41.4	42.8	44	45.1	46.1	47	47.8	48.6
90	36.1	36.1	33.8	35	37.2	39.3	41	42.4	43.6	44.7	45.6	46.5	47.3	48.1
100	35.8	35.8	33.5	34.7	36.9	38.9	40.6	42	43.2	44.3	45.2	46.1	46.9	47.7
110	35.5	35.5	33.1	34.4	36.6	38.6	40.3	41.7	42.9	43.9	44.9	45.7	46.5	47.3
120	35.2	35.2	32.8	34.1	36.3	38.3	40	41.4	42.6	43.6	44.5	45.4	46.1	46.9
130	34.9	34.9	32.6	33.8	36	38	39.7	41.1	42.3	43.3	44.2	45	45.8	46.5
140	34.6	34.6	32.3	33.5	35.7	37.7	39.4	40.8	42	43	43.9	44.7	45.5	46.2
150	34.4	34.4	32.1	33.3	35.5	37.5	39.2	40.6	41.7	42.7	43.6	44.4	45.2	45.9
160	34.1	34.1	31.8	33	35.2	37.3	38.9	40.3	41.5	42.5	43.4	44.2	44.9	45.6
170	33.9	33.9	31.6	32.8	35	37	38.7	40.1	41.3	42.3	43.1	43.9	44.7	45.3
180	33.7	33.7	31.4	32.6	34.8	36.8	38.5	39.9	41.1	42.1	42.9	43.7	44.4	45.1
190	33.5	33.5	31.2	32.4	34.6	36.6	38.3	39.7	40.9	41.9	42.7	43.5	44.2	44.9
200	33.3	33.3	31	32.2	34.4	36.4	38.1	39.5	40.7	41.7	42.5	43.3	44.1	44.7
210	33.1	33.1	30.8	32	34.2	36.2	37.9	39.3	40.5	41.5	42.4	43.1	43.9	44.5
220	32.9	32.9	30.6	31.8	34	36	37.7	39.1	40.3	41.3	42.2	43	43.7	44.4
230	32.7	32.7	30.4	31.6	33.8	35.9	37.5	38.9	40.1	41.1	42	42.8	43.5	44.2
240	32.5	32.5	30.2	31.4	33.7	35.7	37.4	38.8	39.9	41	41.8	42.6	43.4	44
250	32.3	32.3	30	31.3	33.5	35.5	37.2	38.6	39.8	40.8	41.7	42.5	43.2	43.9
260	32.2	32.2	29.8	31.1	33.3	35.3	37	38.4	39.6	40.6	41.5	42.3	43	43.7
270	32	32	29.7	30.9	33.1	35.2	36.9	38.3	39.4	40.5	41.3	42.1	42.9	43.6
280	31.8	31.8	29.5	30.8	33	35	36.7	38.1	39.3	40.3	41.2	42	42.7	43.4
290	31.7	31.7	29.4	30.6	32.8	34.8	36.5	37.9	39.1	40.1	41	41.8	42.6	43.2
300	31.5	31.5	29.2	30.4	32.7	34.7	36.4	37.8	39	40	40.9	41.7	42.4	43.1

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	44.2	44.2	42	43.5	46	48.3	50.3	52	53.6	55	56.3	57.5	58.6	59.7
50	43.4	43.4	41.2	42.6	45.1	47.4	49.4	51.1	52.7	54.1	55.4	56.6	57.8	58.9
60	42.5	42.5	40.4	41.8	44.2	46.5	48.5	50.2	51.7	53.1	54.4	55.6	56.8	57.9
70	41.8	41.8	39.6	40.9	43.3	45.6	47.6	49.3	50.8	52.2	53.4	54.6	55.8	56.9
80	41	41	38.8	40.2	42.6	44.8	46.7	48.4	49.9	51.2	52.5	53.7	54.8	55.9
90	40.4	40.4	38.1	39.5	41.8	44	45.9	47.5	49	50.3	51.5	52.7	53.8	54.9
100	39.8	39.8	37.5	38.8	41.1	43.3	45.1	46.7	48.2	49.4	50.6	51.8	52.8	53.9
110	39.3	39.3	37	38.3	40.5	42.6	44.5	46	47.4	48.6	49.8	50.9	51.9	52.9
120	38.8	38.8	36.5	37.7	40	42.1	43.8	45.3	46.7	47.9	49	50.1	51.1	52.1
130	38.4	38.4	36	37.2	39.5	41.5	43.3	44.7	46	47.2	48.3	49.3	50.3	51.2
140	37.9	37.9	35.6	36.8	39	41	42.7	44.2	45.4	46.6	47.6	48.6	49.5	50.5
150	37.6	37.6	35.2	36.4	38.6	40.6	42.3	43.7	44.9	46	47	47.9	48.8	49.7
160	37.2	37.2	34.9	36	38.2	40.2	41.8	43.2	44.4	45.5	46.4	47.3	48.2	49.1
170	36.9	36.9	34.5	35.7	37.8	39.8	41.4	42.8	43.9	45	45.9	46.8	47.6	48.4
180	36.6	36.6	34.2	35.4	37.5	39.4	41	42.4	43.5	44.5	45.4	46.3	47.1	47.8
190	36.3	36.3	33.9	35.1	37.2	39.1	40.7	42	43.1	44.1	45	45.8	46.5	47.3
200	36.1	36.1	33.7	34.8	36.9	38.8	40.4	41.7	42.8	43.7	44.5	45.3	46.1	46.8
210	35.8	35.8	33.4	34.5	36.6	38.5	40.1	41.3	42.4	43.3	44.2	44.9	45.6	46.3
220	35.6	35.6	33.2	34.3	36.3	38.2	39.8	41.1	42.1	43	43.8	44.5	45.2	45.9
230	35.4	35.4	32.9	34	36.1	38	39.5	40.8	41.8	42.7	43.5	44.2	44.8	45.5
240	35.2	35.2	32.7	33.8	35.9	37.8	39.3	40.5	41.5	42.4	43.1	43.8	44.5	45.1
250	35	35	32.5	33.6	35.7	37.5	39	40.3	41.3	42.1	42.9	43.5	44.1	44.7
260	34.8	34.8	32.3	33.4	35.5	37.3	38.8	40	41	41.9	42.6	43.2	43.8	44.4
270	34.6	34.6	32.1	33.2	35.3	37.1	38.6	39.8	40.8	41.6	42.3	42.9	43.5	44.1
280	34.4	34.4	31.9	33	35.1	36.9	38.4	39.6	40.6	41.4	42.1	42.7	43.2	43.8
290	34.2	34.2	31.8	32.8	34.9	36.7	38.2	39.4	40.4	41.2	41.8	42.4	43	43.5
300	34.1	34.1	31.6	32.7	34.7	36.6	38	39.2	40.2	41	41.6	42.2	42.7	43.2

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	42.8	42.8	40.6	42	44.4	46.7	48.6	50.3	51.8	53.1	54.4	55.5	56.6	57.6
50	42.3	42.3	40.1	41.5	43.9	46.2	48.2	49.9	51.4	52.7	54	55.2	56.3	57.3
60	41.7	41.7	39.5	40.8	43.3	45.5	47.5	49.2	50.7	52	53.3	54.5	55.6	56.7
70	41	41	38.8	40.1	42.5	44.8	46.7	48.4	49.9	51.2	52.5	53.7	54.8	55.9
80	40.4	40.4	38.1	39.5	41.9	44.1	46	47.6	49.1	50.5	51.7	52.9	54	55.1
90	39.8	39.8	37.5	38.9	41.2	43.4	45.3	46.9	48.4	49.7	51	52.1	53.2	54.3
100	39.2	39.2	37	38.3	40.6	42.8	44.7	46.3	47.7	49	50.2	51.4	52.5	53.5
110	38.8	38.8	36.5	37.8	40.1	42.2	44	45.6	47	48.3	49.5	50.6	51.7	52.8
120	38.3	38.3	36	37.3	39.5	41.7	43.5	45	46.4	47.6	48.8	49.9	51	52
130	37.9	37.9	35.6	36.8	39	41.1	42.9	44.4	45.8	47	48.1	49.2	50.2	51.2
140	37.5	37.5	35.1	36.4	38.6	40.7	42.4	43.9	45.2	46.4	47.5	48.5	49.5	50.5
150	37.1	37.1	34.8	36	38.2	40.2	41.9	43.4	44.7	45.8	46.9	47.9	48.9	49.8
160	36.8	36.8	34.4	35.6	37.8	39.8	41.5	42.9	44.2	45.3	46.3	47.3	48.3	49.2
170	36.5	36.5	34.1	35.3	37.4	39.4	41.1	42.5	43.7	44.8	45.8	46.8	47.7	48.5
180	36.2	36.2	33.8	34.9	37.1	39.1	40.7	42.1	43.3	44.3	45.3	46.2	47.1	47.9
190	35.9	35.9	33.5	34.6	36.8	38.7	40.4	41.7	42.9	43.9	44.8	45.7	46.6	47.4
200	35.6	35.6	33.2	34.4	36.5	38.4	40	41.4	42.5	43.5	44.4	45.3	46.1	46.9
210	35.4	35.4	33	34.1	36.2	38.1	39.7	41	42.2	43.1	44	44.8	45.6	46.4
220	35.1	35.1	32.7	33.8	35.9	37.9	39.4	40.7	41.8	42.8	43.6	44.4	45.2	45.9
230	34.9	34.9	32.5	33.6	35.7	37.6	39.2	40.4	41.5	42.5	43.3	44	44.8	45.5
240	34.7	34.7	32.3	33.4	35.5	37.4	38.9	40.2	41.2	42.1	42.9	43.7	44.4	45.1
250	34.5	34.5	32.1	33.2	35.2	37.1	38.7	39.9	41	41.8	42.6	43.4	44	44.7
260	34.3	34.3	31.9	33	35	36.9	38.4	39.7	40.7	41.6	42.3	43	43.7	44.3
270	34.1	34.1	31.7	32.8	34.8	36.7	38.2	39.4	40.5	41.3	42.1	42.7	43.4	44
280	33.9	33.9	31.5	32.6	34.6	36.5	38	39.2	40.2	41.1	41.8	42.5	43.1	43.6
290	33.8	33.8	31.3	32.4	34.4	36.3	37.8	39	40	40.8	41.5	42.2	42.8	43.3
300	33.6	33.6	31.1	32.2	34.3	36.1	37.6	38.8	39.8	40.6	41.3	41.9	42.5	43

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	41.5	41.5	39.3	40.6	43	45.2	47	48.6	50	51.3	52.5	53.5	54.6	55.5
50	41.2	41.2	39	40.3	42.7	44.9	46.8	48.4	49.8	51.1	52.3	53.4	54.5	55.5
60	40.6	40.6	38.4	39.7	42.1	44.3	46.2	47.8	49.2	50.5	51.7	52.9	53.9	55
70	40	40	37.8	39.1	41.4	43.6	45.5	47.1	48.5	49.8	51	52.2	53.2	54.3
80	39.5	39.5	37.2	38.5	40.8	43	44.8	46.4	47.9	49.1	50.3	51.5	52.5	53.5
90	38.9	38.9	36.7	38	40.3	42.4	44.2	45.8	47.2	48.5	49.7	50.8	51.9	52.9
100	38.4	38.4	36.1	37.4	39.7	41.8	43.7	45.2	46.6	47.9	49.1	50.2	51.2	52.2
110	38	38	35.7	36.9	39.2	41.3	43.1	44.7	46	47.3	48.4	49.5	50.6	51.6
120	37.5	37.5	35.2	36.5	38.7	40.8	42.6	44.1	45.5	46.7	47.8	48.9	49.9	50.9
130	37.1	37.1	34.8	36	38.3	40.4	42.1	43.6	45	46.1	47.3	48.3	49.3	50.3
140	36.8	36.8	34.4	35.6	37.9	39.9	41.7	43.1	44.4	45.6	46.7	47.7	48.7	49.7
150	36.4	36.4	34.1	35.3	37.5	39.5	41.2	42.7	44	45.1	46.2	47.2	48.1	49.1
160	36.1	36.1	33.7	34.9	37.1	39.1	40.8	42.2	43.5	44.6	45.6	46.6	47.6	48.5
170	35.8	35.8	33.4	34.6	36.8	38.8	40.4	41.8	43.1	44.2	45.2	46.1	47	47.9
180	35.5	35.5	33.1	34.3	36.4	38.4	40.1	41.5	42.6	43.7	44.7	45.6	46.5	47.4
190	35.2	35.2	32.8	34	36.1	38.1	39.7	41.1	42.3	43.3	44.3	45.1	46	46.8
200	35	35	32.6	33.7	35.8	37.8	39.4	40.8	41.9	42.9	43.8	44.7	45.5	46.3
210	34.7	34.7	32.3	33.4	35.6	37.5	39.1	40.4	41.6	42.6	43.5	44.3	45.1	45.9
220	34.5	34.5	32.1	33.2	35.3	37.2	38.8	40.1	41.2	42.2	43.1	43.9	44.7	45.4
230	34.3	34.3	31.8	33	35.1	37	38.5	39.8	40.9	41.9	42.7	43.5	44.3	45
240	34	34	31.6	32.7	34.8	36.7	38.3	39.6	40.6	41.6	42.4	43.2	43.9	44.6
250	33.8	33.8	31.4	32.5	34.6	36.5	38	39.3	40.4	41.3	42.1	42.8	43.5	44.2
260	33.6	33.6	31.2	32.3	34.4	36.3	37.8	39.1	40.1	41	41.8	42.5	43.2	43.8
270	33.5	33.5	31	32.1	34.2	36.1	37.6	38.8	39.9	40.7	41.5	42.2	42.9	43.5
280	33.3	33.3	30.8	31.9	34	35.9	37.4	38.6	39.6	40.5	41.2	41.9	42.5	43.2
290	33.1	33.1	30.7	31.8	33.8	35.7	37.2	38.4	39.4	40.3	41	41.6	42.3	42.8
300	32.9	32.9	30.5	31.6	33.6	35.5	37	38.2	39.2	40	40.7	41.4	42	42.5

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	40.3	40.3	38	39.3	41.7	43.8	45.6	47.1	48.5	49.7	50.8	51.8	52.8	53.7
50	40.2	40.2	37.9	39.2	41.5	43.7	45.5	47	48.4	49.6	50.8	51.8	52.8	53.7
60	39.7	39.7	37.5	38.8	41.1	43.2	45.1	46.6	48	49.3	50.4	51.5	52.5	53.5
70	39.2	39.2	36.9	38.2	40.5	42.6	44.4	46	47.3	48.6	49.7	50.8	51.8	52.8
80	38.6	38.6	36.3	37.6	39.9	42	43.8	45.3	46.7	47.9	49.1	50.1	51.1	52.1
90	38.1	38.1	35.8	37.1	39.3	41.4	43.2	44.8	46.1	47.3	48.4	49.5	50.5	51.5
100	37.6	37.6	35.3	36.6	38.8	40.9	42.7	44.2	45.6	46.8	47.9	48.9	49.9	50.9
110	37.2	37.2	34.9	36.1	38.4	40.4	42.2	43.7	45	46.2	47.3	48.3	49.3	50.3
120	36.8	36.8	34.5	35.7	37.9	40	41.7	43.2	44.5	45.7	46.8	47.8	48.8	49.7
130	36.4	36.4	34.1	35.3	37.5	39.5	41.3	42.7	44	45.2	46.3	47.3	48.2	49.2
140	36	36	33.7	34.9	37.1	39.1	40.8	42.3	43.6	44.7	45.8	46.7	47.7	48.6
150	35.7	35.7	33.3	34.5	36.7	38.7	40.4	41.9	43.1	44.2	45.3	46.2	47.2	48.1
160	35.4	35.4	33	34.2	36.4	38.4	40.1	41.5	42.7	43.8	44.8	45.8	46.7	47.6
170	35.1	35.1	32.7	33.9	36	38	39.7	41.1	42.3	43.4	44.4	45.3	46.2	47
180	34.8	34.8	32.4	33.6	35.7	37.7	39.4	40.7	41.9	43	43.9	44.8	45.7	46.6
190	34.5	34.5	32.1	33.3	35.4	37.4	39	40.4	41.6	42.6	43.5	44.4	45.3	46.1
200	34.3	34.3	31.9	33	35.2	37.1	38.7	40.1	41.2	42.2	43.1	44	44.8	45.6
210	34.1	34.1	31.6	32.8	34.9	36.8	38.4	39.8	40.9	41.9	42.8	43.6	44.4	45.2
220	33.8	33.8	31.4	32.5	34.6	36.6	38.2	39.5	40.6	41.5	42.4	43.2	44	44.8
230	33.6	33.6	31.2	32.3	34.4	36.3	37.9	39.2	40.3	41.2	42.1	42.9	43.6	44.3
240	33.4	33.4	31	32.1	34.2	36.1	37.6	38.9	40	40.9	41.8	42.5	43.2	44
250	33.2	33.2	30.8	31.9	34	35.9	37.4	38.7	39.7	40.6	41.4	42.2	42.9	43.6
260	33	33	30.6	31.7	33.7	35.6	37.2	38.4	39.5	40.4	41.2	41.9	42.6	43.2
270	32.8	32.8	30.4	31.5	33.5	35.4	37	38.2	39.2	40.1	40.9	41.6	42.2	42.9
280	32.6	32.6	30.2	31.3	33.4	35.2	36.8	38	39	39.9	40.6	41.3	41.9	42.6
290	32.5	32.5	30	31.1	33.2	35	36.6	37.8	38.8	39.6	40.4	41	41.7	42.3
300	32.3	32.3	29.9	30.9	33	34.9	36.4	37.6	38.6	39.4	40.1	40.8	41.4	42

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	39.2	39.2	36.9	38.2	40.5	48.3	50.3	52	53.6	55	49.4	50.4	51.3	52.2
50	39.3	39.3	37	38.3	40.5	47.4	49.4	51.1	52.7	54.1	49.5	50.5	51.5	52.4
60	38.9	38.9	36.6	37.9	40.2	46.5	48.5	50.2	51.7	53.1	49.3	50.3	51.3	52.2
70	38.4	38.4	36.1	37.3	39.6	45.6	47.6	49.3	50.8	52.2	48.6	49.6	50.6	51.5
80	37.8	37.8	35.5	36.8	39	44.8	46.7	48.4	49.9	51.2	48	49	50	50.9
90	37.4	37.4	35	36.3	38.5	44	45.9	47.5	49	50.3	47.4	48.4	49.4	50.3
100	36.9	36.9	34.6	35.8	38	43.3	45.1	46.7	48.2	49.4	46.9	47.9	48.8	49.7
110	36.5	36.5	34.1	35.4	37.6	42.6	44.5	46	47.4	48.6	46.3	47.3	48.3	49.2
120	36.1	36.1	33.7	35	37.2	42.1	43.8	45.3	46.7	47.9	45.8	46.8	47.8	48.7
130	35.7	35.7	33.4	34.6	36.8	41.5	43.3	44.7	46	47.2	45.4	46.3	47.3	48.2
140	35.4	35.4	33	34.2	36.4	41	42.7	44.2	45.4	46.6	44.9	45.9	46.8	47.7
150	35	35	32.7	33.9	36	40.6	42.3	43.7	44.9	46	44.5	45.4	46.3	47.2
160	34.7	34.7	32.4	33.5	35.7	40.2	41.8	43.2	44.4	45.5	44	45	45.9	46.7
170	34.4	34.4	32.1	33.2	35.4	39.8	41.4	42.8	43.9	45	43.6	44.5	45.4	46.3
180	34.2	34.2	31.8	32.9	35.1	39.4	41	42.4	43.5	44.5	43.2	44.1	45	45.8
190	33.9	33.9	31.5	32.7	34.8	39.1	40.7	42	43.1	44.1	42.8	43.7	44.6	45.4
200	33.7	33.7	31.3	32.4	34.5	38.8	40.4	41.7	42.8	43.7	42.5	43.3	44.1	44.9
210	33.4	33.4	31	32.2	34.3	38.5	40.1	41.3	42.4	43.3	42.1	43	43.8	44.5
220	33.2	33.2	30.8	31.9	34	38.2	39.8	41.1	42.1	43	41.8	42.6	43.4	44.1
230	33	33	30.6	31.7	33.8	38	39.5	40.8	41.8	42.7	41.5	42.3	43	43.7
240	32.8	32.8	30.3	31.5	33.6	37.8	39.3	40.5	41.5	42.4	41.2	41.9	42.7	43.4
250	32.6	32.6	30.1	31.3	33.3	37.5	39	40.3	41.3	42.1	40.9	41.6	42.3	43
260	32.4	32.4	29.9	31.1	33.1	37.3	38.8	40	41	41.9	40.6	41.3	42	42.7
270	32.2	32.2	29.8	30.9	32.9	37.1	38.6	39.8	40.8	41.6	40.3	41	41.7	42.3
280	32	32	29.6	30.7	32.7	36.9	38.4	39.6	40.6	41.4	40	40.7	41.4	42
290	31.8	31.8	29.4	30.5	32.6	36.7	38.2	39.4	40.4	41.2	39.8	40.5	41.1	41.7
300	31.7	31.7	29.2	30.3	32.4	36.6	38	39.2	40.2	41	39.6	40.2	40.8	41.4

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	38.2	38.2	35.9	37.2	39.5	41.6	43.4	44.9	46.2	47.4	48.4	49.4	50.3	51.2
50	38.5	38.5	36.2	37.4	39.7	41.8	43.5	45	46.3	47.4	48.4	49.4	50.3	51.2
60	38.2	38.2	35.9	37.1	39.4	41.5	43.2	44.8	46.1	47.2	48.3	49.3	50.2	51.1
70	37.6	37.6	35.3	36.6	38.8	40.9	42.6	44.1	45.4	46.6	47.6	48.6	49.5	50.4
80	37.1	37.1	34.8	36	38.3	40.3	42	43.5	44.8	45.9	47	48	48.9	49.8
90	36.7	36.7	34.3	35.5	37.8	39.8	41.5	43	44.3	45.4	46.4	47.4	48.3	49.2
100	36.2	36.2	33.9	35.1	37.3	39.3	41.1	42.5	43.8	44.9	45.9	46.9	47.8	48.7
110	35.8	35.8	33.5	34.7	36.9	38.9	40.6	42.1	43.3	44.4	45.4	46.4	47.3	48.2
120	35.4	35.4	33.1	34.3	36.5	38.5	40.2	41.6	42.9	44	45	45.9	46.8	47.7
130	35.1	35.1	32.7	33.9	36.1	38.1	39.8	41.2	42.4	43.5	44.5	45.5	46.4	47.3
140	34.7	34.7	32.4	33.6	35.7	37.7	39.4	40.8	42	43.1	44.1	45	45.9	46.8
150	34.4	34.4	32	33.2	35.4	37.4	39	40.4	41.6	42.7	43.7	44.6	45.5	46.4
160	34.1	34.1	31.7	32.9	35.1	37	38.7	40.1	41.3	42.3	43.3	44.2	45.1	45.9
170	33.8	33.8	31.4	32.6	34.8	36.7	38.4	39.7	40.9	42	42.9	43.8	44.7	45.5
180	33.6	33.6	31.2	32.3	34.5	36.4	38.1	39.4	40.6	41.6	42.5	43.4	44.3	45.1
190	33.3	33.3	30.9	32.1	34.2	36.1	37.8	39.1	40.3	41.3	42.2	43	43.9	44.7
200	33.1	33.1	30.7	31.8	33.9	35.9	37.5	38.8	39.9	40.9	41.8	42.7	43.5	44.3
210	32.8	32.8	30.4	31.5	33.7	35.6	37.2	38.5	39.6	40.6	41.5	42.3	43.1	43.9
220	32.6	32.6	30.2	31.3	33.4	35.3	36.9	38.2	39.3	40.3	41.2	42	42.7	43.5
230	32.4	32.4	30	31.1	33.2	35.1	36.7	38	39.1	40	40.9	41.6	42.4	43.1
240	32.2	32.2	29.7	30.9	33	34.9	36.4	37.7	38.8	39.7	40.6	41.3	42	42.8
250	32	32	29.5	30.7	32.7	34.6	36.2	37.5	38.5	39.4	40.3	41	41.7	42.4
260	31.8	31.8	29.3	30.5	32.5	34.4	36	37.2	38.3	39.2	40	40.7	41.4	42.1
270	31.6	31.6	29.2	30.3	32.3	34.2	35.8	37	38.1	38.9	39.7	40.4	41.1	41.8
280	31.4	31.4	29	30.1	32.1	34	35.6	36.8	37.8	38.7	39.5	40.2	40.8	41.5
290	31.2	31.2	28.8	29.9	32	33.8	35.4	36.6	37.6	38.5	39.2	39.9	40.5	41.2
300	31.1	31.1	28.6	29.7	31.8	33.7	35.2	36.4	37.4	38.2	39	39.6	40.3	40.9

* 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	57.7	57.7	56.1	58.0	61.0	63.7	66.1	68.2	70.0	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	37.3	37.3	35.0	36.2	38.5	40.5	42.3	43.8	45.1	46.2	47.2	48.2	49.0	49.9
50	37.7	37.7	35.4	36.7	38.9	40.9	42.7	44.1	45.4	46.5	47.5	48.4	49.3	50.2
60	37.5	37.5	35.2	36.4	38.6	40.7	42.5	43.9	45.2	46.4	47.4	48.3	49.3	50.1
70	37.0	37.0	34.6	35.9	38.1	40.1	41.9	43.3	44.6	45.7	46.8	47.7	48.6	49.5
80	36.5	36.5	34.1	35.3	37.5	39.6	41.3	42.7	44.0	45.1	46.1	47.1	47.9	48.8
90	36.0	36.0	33.7	34.9	37.1	39.1	40.8	42.2	43.5	44.6	45.6	46.5	47.4	48.3
100	35.6	35.6	33.2	34.4	36.6	38.6	40.3	41.7	43.0	44.1	45.1	46.0	46.9	47.8
110	35.2	35.2	32.8	34.0	36.2	38.2	39.9	41.3	42.5	43.6	44.6	45.5	46.4	47.3
120	34.8	34.8	32.5	33.6	35.8	37.8	39.5	40.9	42.1	43.2	44.2	45.1	46.0	46.8
130	34.5	34.5	32.1	33.3	35.4	37.4	39.1	40.5	41.7	42.8	43.8	44.7	45.5	46.4
140	34.1	34.1	31.8	32.9	35.1	37.1	38.7	40.1	41.3	42.4	43.4	44.3	45.1	46.0
150	33.8	33.8	31.4	32.6	34.8	36.7	38.4	39.8	41.0	42.0	43.0	43.9	44.7	45.5
160	33.5	33.5	31.1	32.3	34.5	36.4	38.1	39.4	40.6	41.6	42.6	43.5	44.3	45.1
170	33.3	33.3	30.9	32.0	34.2	36.1	37.7	39.1	40.3	41.3	42.2	43.1	43.9	44.7
180	33.0	33.0	30.6	31.7	33.9	35.8	37.4	38.8	39.9	41.0	41.9	42.7	43.5	44.3
190	32.7	32.7	30.3	31.5	33.6	35.5	37.2	38.5	39.6	40.6	41.5	42.4	43.2	44.0
200	32.5	32.5	30.1	31.2	33.3	35.3	36.9	38.2	39.3	40.3	41.2	42.0	42.8	43.6
210	32.3	32.3	29.8	31.0	33.1	35.0	36.6	37.9	39.0	40.0	40.9	41.7	42.4	43.2
220	32.0	32.0	29.6	30.7	32.8	34.8	36.3	37.6	38.7	39.7	40.5	41.3	42.1	42.8
230	31.8	31.8	29.4	30.5	32.6	34.5	36.1	37.4	38.5	39.4	40.2	41.0	41.8	42.5
240	31.6	31.6	29.2	30.3	32.4	34.3	35.9	37.1	38.2	39.1	40.0	40.7	41.4	42.1
250	31.4	31.4	29.0	30.1	32.2	34.1	35.6	36.9	38.0	38.9	39.7	40.4	41.1	41.8
260	31.2	31.2	28.8	29.9	32.0	33.9	35.4	36.7	37.7	38.6	39.4	40.1	40.8	41.5
270	31.0	31.0	28.6	29.7	31.8	33.7	35.2	36.4	37.5	38.4	39.1	39.9	40.5	41.2
280	30.9	30.9	28.4	29.5	31.6	33.5	35.0	36.2	37.3	38.1	38.9	39.6	40.3	40.9
290	30.7	30.7	28.2	29.3	31.4	33.3	34.8	36.0	37.0	37.9	38.7	39.3	40.0	40.6
300	30.5	30.5	28.1	29.2	31.2	33.1	34.6	35.8	36.8	37.7	38.4	39.1	39.7	40.3

* 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	57.7	57.7	56.1	58	61	63.7	66.1	68.2	70.0	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	36.4	36.4	34.1	35.3	37.6	39.7	41.4	42.9	44.1	45.2	46.2	47.1	48.0	48.8
50	37.1	37.1	34.7	36	38.2	40.2	41.9	43.4	44.6	45.7	46.7	47.6	48.4	49.2
60	36.8	36.8	34.5	35.7	38	40.0	41.7	43.2	44.5	45.6	46.6	47.5	48.4	49.2
70	36.3	36.3	34.0	35.2	37.4	39.5	41.2	42.6	43.9	45.0	46.0	46.9	47.8	48.6
80	35.9	35.9	33.5	34.7	36.9	38.9	40.6	42.1	43.3	44.4	45.4	46.3	47.1	48.0
90	35.4	35.4	33.1	34.2	36.4	38.4	40.1	41.5	42.8	43.8	44.8	45.7	46.6	47.4
100	35.0	35.0	32.6	33.8	36	38.0	39.7	41.1	42.3	43.4	44.3	45.2	46.1	46.9
110	34.6	34.6	32.2	33.4	35.6	37.6	39.3	40.7	41.9	42.9	43.9	44.8	45.6	46.5
120	34.3	34.3	31.9	33.1	35.2	37.2	38.9	40.3	41.4	42.5	43.5	44.3	45.2	46.0
130	33.9	33.9	31.5	32.7	34.9	36.8	38.5	39.9	41.1	42.1	43.0	43.9	44.8	45.6
140	33.6	33.6	31.2	32.4	34.5	36.5	38.1	39.5	40.7	41.7	42.7	43.5	44.4	45.2
150	33.3	33.3	30.9	32	34.2	36.2	37.8	39.2	40.3	41.3	42.3	43.1	44.0	44.8
160	33.0	33.0	30.6	31.7	33.9	35.8	37.5	38.8	40.0	41.0	41.9	42.8	43.6	44.4
170	32.7	32.7	30.3	31.4	33.6	35.5	37.2	38.5	39.6	40.7	41.6	42.4	43.2	44.0
180	32.4	32.4	30.0	31.2	33.3	35.2	36.9	38.2	39.3	40.3	41.2	42.1	42.9	43.7
190	32.2	32.2	29.8	30.9	33	35.0	36.6	37.9	39.0	40.0	40.9	41.7	42.5	43.3
200	31.9	31.9	29.5	30.7	32.8	34.7	36.3	37.6	38.7	39.7	40.6	41.4	42.2	42.9
210	31.7	31.7	29.3	30.4	32.5	34.5	36.0	37.4	38.5	39.4	40.3	41.1	41.8	42.6
220	31.5	31.5	29.1	30.2	32.3	34.2	35.8	37.1	38.2	39.1	40.0	40.8	41.5	42.2
230	31.3	31.3	28.8	30	32.1	34.0	35.5	36.8	37.9	38.8	39.7	40.5	41.2	41.9
240	31.1	31.1	28.6	29.7	31.8	33.7	35.3	36.6	37.7	38.6	39.4	40.2	40.9	41.6
250	30.9	30.9	28.4	29.5	31.6	33.5	35.1	36.4	37.4	38.3	39.1	39.9	40.6	41.3
260	30.7	30.7	28.2	29.3	31.4	33.3	34.9	36.1	37.2	38.1	38.9	39.6	40.3	40.9
270	30.5	30.5	28.0	29.2	31.2	33.1	34.7	35.9	36.9	37.8	38.6	39.3	40.0	40.6
280	30.3	30.3	27.9	29	31	32.9	34.5	35.7	36.7	37.6	38.4	39.1	39.7	40.4
290	30.1	30.1	27.7	28.8	30.9	32.7	34.3	35.5	36.5	37.4	38.1	38.8	39.5	40.1
300	30.0	30.0	27.5	28.6	30.7	32.5	34.1	35.3	36.3	37.2	37.9	38.6	39.2	39.8

* 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	57.7	57.7	56.1	58.0	61.0	63.7	66.1	68.2	70.0	71.7	73.2	74.6	75.9	77.1
20	53.1	53.1	51.4	53.3	56.2	58.9	61.2	63.3	65.1	66.7	68.2	69.6	70.9	72.1
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	35.7	35.7	33.4	34.7	37.0	39.0	40.8	42.3	43.6	44.7	45.7	46.7	47.6	48.4
50	36.4	36.4	34.1	35.3	37.5	39.6	41.3	42.7	43.9	45.0	45.9	46.8	47.7	48.5
60	36.2	36.2	33.9	35.1	37.4	39.4	41.1	42.5	43.8	44.9	45.9	46.8	47.6	48.4
70	35.8	35.8	33.4	34.6	36.8	38.9	40.6	42	43.2	44.3	45.3	46.2	47	47.8
80	35.3	35.3	33.0	34.2	36.3	38.4	40.0	41.5	42.7	43.7	44.7	45.6	46.5	47.3
90	34.9	34.9	32.5	33.7	35.9	37.9	39.6	41	42.2	43.2	44.2	45.1	45.9	46.7
100	34.5	34.5	32.1	33.3	35.4	37.4	39.1	40.5	41.7	42.7	43.7	44.6	45.4	46.2
110	34.1	34.1	31.7	32.9	35.0	37.0	38.7	40.1	41.3	42.3	43.3	44.1	45	45.8
120	33.7	33.7	31.4	32.5	34.7	36.7	38.3	39.7	40.9	41.9	42.8	43.7	44.5	45.3
130	33.4	33.4	31.0	32.2	34.3	36.3	37.9	39.3	40.5	41.5	42.4	43.3	44.1	44.9
140	33.1	33.1	30.7	31.8	34.0	36.0	37.6	39	40.1	41.1	42.1	42.9	43.7	44.5
150	32.8	32.8	30.4	31.5	33.7	35.6	37.3	38.6	39.8	40.8	41.7	42.5	43.4	44.1
160	32.5	32.5	30.1	31.2	33.4	35.3	36.9	38.3	39.4	40.4	41.3	42.2	43	43.8
170	32.2	32.2	29.8	30.9	33.1	35.0	36.6	38	39.1	40.1	41	41.8	42.6	43.4
180	31.9	31.9	29.5	30.7	32.8	34.7	36.3	37.7	38.8	39.8	40.7	41.5	42.3	43
190	31.7	31.7	29.3	30.4	32.5	34.5	36.1	37.4	38.5	39.5	40.3	41.2	41.9	42.7
200	31.4	31.4	29.0	30.1	32.3	34.2	35.8	37.1	38.2	39.2	40	40.8	41.6	42.4
210	31.2	31.2	28.8	29.9	32.0	33.9	35.5	36.8	37.9	38.9	39.7	40.5	41.3	42
220	31.0	31.0	28.6	29.7	31.8	33.7	35.3	36.6	37.7	38.6	39.4	40.2	41	41.7
230	30.8	30.8	28.3	29.5	31.6	33.5	35.0	36.3	37.4	38.3	39.2	39.9	40.7	41.4
240	30.5	30.5	28.1	29.2	31.3	33.2	34.8	36.1	37.1	38.1	38.9	39.6	40.3	41
250	30.3	30.3	27.9	29.0	31.1	33.0	34.6	35.8	36.9	37.8	38.6	39.3	40	40.7
260	30.2	30.2	27.7	28.8	30.9	32.8	34.4	35.6	36.7	37.6	38.4	39.1	39.8	40.4
270	30.0	30.0	27.5	28.6	30.7	32.6	34.1	35.4	36.4	37.3	38.1	38.8	39.5	40.1
280	29.8	29.8	27.4	28.5	30.5	32.4	33.9	35.2	36.2	37.1	37.9	38.6	39.2	39.8
290	29.6	29.6	27.2	28.3	30.3	32.2	33.7	35	36.0	36.9	37.6	38.3	38.9	39.6
300	29.5	29.5	27.0	28.1	30.2	32.0	33.6	34.8	35.8	36.7	37.4	38.1	38.7	39.3

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	64.5	64.5	61.3	60	60	60.6	61.6	62.6	63.7	64.7	65.7	66.6	67.5	68.3
50	64.2	64.2	61.0	59.7	59.7	60.3	61.2	62.3	63.3	64.3	65.2	66.1	66.9	67.7
60	63.9	63.9	60.7	59.5	59.5	60.1	61.1	62.1	63.1	64.1	65.1	66	66.8	67.6
70	63.5	63.5	60.3	59.1	59.1	59.8	60.8	61.9	62.9	63.9	64.9	65.8	66.6	67.4
80	63.1	63.1	59.9	58.7	58.8	59.5	60.5	61.6	62.6	63.6	64.6	65.5	66.4	67.2
90	62.7	62.7	59.5	58.4	58.4	59.1	60.1	61.2	62.3	63.3	64.3	65.2	66.1	66.9
100	62.3	62.3	59.1	58	58	58.8	59.8	60.9	62.0	63	64	64.9	65.8	66.6
110	61.9	61.9	58.8	57.6	57.7	58.4	59.4	60.5	61.6	62.7	63.6	64.6	65.4	66.3
120	61.5	61.5	58.4	57.3	57.3	58.1	59.1	60.2	61.3	62.3	63.3	64.2	65.1	66
130	61.2	61.2	58.1	56.9	57	57.7	58.8	59.9	61.0	62	63	63.9	64.8	65.6
140	60.9	60.9	57.8	56.6	56.7	57.4	58.5	59.6	60.6	61.7	62.7	63.6	64.5	65.3
150	60.6	60.6	57.5	56.3	56.4	57.1	58.1	59.2	60.3	61.4	62.4	63.3	64.2	65
160	60.3	60.3	57.2	56	56.1	56.8	57.8	58.9	60.0	61.1	62.1	63	63.9	64.7
170	60	60	56.9	55.7	55.8	56.5	57.6	58.7	59.7	60.8	61.8	62.7	63.6	64.4
180	59.7	59.7	56.6	55.5	55.5	56.3	57.3	58.4	59.5	60.5	61.5	62.4	63.3	64.1
190	59.5	59.5	56.3	55.2	55.3	56	57	58.1	59.2	60.2	61.2	62.1	63	63.9
200	59.2	59.2	56.1	54.9	55	55.7	56.8	57.9	58.9	60	61	61.9	62.8	63.6
210	59	59	55.9	54.7	54.8	55.5	56.5	57.6	58.7	59.7	60.7	61.6	62.5	63.3
220	58.8	58.8	55.6	54.5	54.5	55.3	56.3	57.4	58.4	59.5	60.5	61.4	62.3	63.1
230	58.5	58.5	55.4	54.2	54.3	55	56	57.1	58.2	59.2	60.2	61.1	62	62.8
240	58.3	58.3	55.2	54	54.1	54.8	55.8	56.9	58.0	59	60	60.9	61.8	62.6
250	58.1	58.1	55.0	53.8	53.9	54.6	55.6	56.7	57.8	58.8	59.8	60.7	61.6	62.4
260	57.9	57.9	54.8	53.6	53.7	54.4	55.4	56.5	57.5	58.6	59.5	60.5	61.3	62.2
270	57.7	57.7	54.6	53.4	53.4	54.2	55.2	56.3	57.3	58.3	59.3	60.2	61.1	61.9
280	57.5	57.5	54.4	53.2	53.3	54	55	56.1	57.1	58.1	59.1	60	60.9	61.7
290	57.3	57.3	54.2	53	53.1	53.8	54.8	55.9	56.9	57.9	58.9	59.8	60.7	61.5
300	57.2	57.2	54.0	52.8	52.9	53.6	54.6	55.7	56.7	57.7	58.7	59.6	60.5	61.3

* 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	76.0	76.0	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	62.6	62.6	59.2	57.8	57.6	58.2	59	59.9	60.9	61.8	62.7	63.5	64.3	65.1
50	62.5	62.5	59.1	57.7	57.5	58.1	58.9	59.8	60.8	61.7	62.5	63.4	64.2	65
60	62.2	62.2	58.9	57.5	57.4	57.9	58.8	59.7	60.7	61.6	62.5	63.3	64.1	64.9
70	61.9	61.9	58.5	57.2	57.1	57.6	58.5	59.5	60.4	61.3	62.2	63	63.8	64.6
80	61.5	61.5	58.2	56.8	56.7	57.3	58.2	59.2	60.1	61	61.9	62.8	63.6	64.3
90	61.1	61.1	57.8	56.5	56.4	57	57.9	58.9	59.8	60.8	61.7	62.5	63.3	64.1
100	60.7	60.7	57.4	56.1	56.1	56.7	57.6	58.6	59.5	60.5	61.4	62.2	63.1	63.8
110	60.4	60.4	57.1	55.8	55.7	56.4	57.3	58.3	59.2	60.2	61.1	62	62.8	63.6
120	60.0	60.0	56.8	55.5	55.4	56	56.9	57.9	58.9	59.9	60.8	61.7	62.5	63.3
130	59.7	59.7	56.5	55.2	55.1	55.7	56.6	57.7	58.6	59.6	60.5	61.4	62.2	63
140	59.4	59.4	56.2	54.9	54.8	55.4	56.4	57.4	58.4	59.3	60.2	61.1	61.9	62.7
150	59.1	59.1	55.9	54.6	54.5	55.1	56.1	57.1	58.1	59	60	60.8	61.7	62.5
160	58.8	58.8	55.6	54.3	54.2	54.9	55.8	56.8	57.8	58.8	59.7	60.6	61.4	62.2
170	58.6	58.6	55.3	54	54	54.6	55.5	56.5	57.5	58.5	59.4	60.3	61.1	61.9
180	58.3	58.3	55.1	53.8	53.7	54.3	55.3	56.3	57.3	58.2	59.1	60	60.9	61.6
190	58.1	58.1	54.8	53.5	53.5	54.1	55	56	57	58	58.9	59.8	60.6	61.4
200	57.8	57.8	54.6	53.3	53.2	53.8	54.8	55.8	56.8	57.7	58.6	59.5	60.3	61.1
210	57.6	57.6	54.3	53.1	53	53.6	54.5	55.5	56.5	57.5	58.4	59.3	60.1	60.9
220	57.4	57.4	54.1	52.8	52.8	53.4	54.3	55.3	56.3	57.2	58.2	59	59.9	60.7
230	57.2	57.2	53.9	52.6	52.5	53.2	54.1	55.1	56.1	57	57.9	58.8	59.6	60.4
240	57.0	57.0	53.7	52.4	52.3	52.9	53.8	54.8	55.8	56.8	57.7	58.6	59.4	60.2
250	56.8	56.8	53.5	52.2	52.1	52.7	53.6	54.6	55.6	56.6	57.5	58.4	59.2	60
260	56.6	56.6	53.3	52	51.9	52.5	53.4	54.4	55.4	56.4	57.3	58.1	59	59.8
270	56.4	56.4	53.1	51.8	51.7	52.3	53.2	54.2	55.2	56.2	57.1	57.9	58.8	59.5
280	56.2	56.2	52.9	51.6	51.5	52.1	53	54	55	56	56.9	57.7	58.5	59.3
290	56.0	56.0	52.7	51.4	51.3	51.9	52.8	53.8	54.8	55.8	56.7	57.5	58.3	59.1
300	55.9	55.9	52.6	51.3	51.2	51.8	52.7	53.6	54.6	55.6	56.5	57.3	58.2	58.9

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	61.2	61.2	57.7	56.3	56	56.5	57.2	58.1	59	59.9	60.7	61.5	62.3	63
50	61.2	61.2	57.7	56.2	56	56.5	57.2	58.1	59	59.9	60.7	61.5	62.3	63.1
60	61	61	57.5	56.1	55.9	56.4	57.2	58	59	59.8	60.7	61.5	62.3	63
70	60.6	60.6	57.2	55.7	55.5	56	56.8	57.7	58.5	59.4	60.2	61	61.8	62.5
80	60.2	60.2	56.8	55.4	55.1	55.6	56.4	57.3	58.2	59.1	59.9	60.7	61.4	62.2
90	59.8	59.8	56.4	55	54.8	55.3	56.1	57	57.9	58.8	59.6	60.4	61.2	61.9
100	59.5	59.5	56.1	54.7	54.5	55	55.8	56.7	57.7	58.5	59.4	60.2	61	61.7
110	59.1	59.1	55.8	54.4	54.2	54.7	55.6	56.5	57.4	58.3	59.1	60	60.7	61.5
120	58.8	58.8	55.5	54.1	53.9	54.4	55.3	56.2	57.1	58	58.9	59.7	60.5	61.2
130	58.5	58.5	55.1	53.8	53.6	54.2	55	55.9	56.9	57.8	58.6	59.5	60.3	61
140	58.2	58.2	54.9	53.5	53.3	53.9	54.7	55.7	56.6	57.5	58.4	59.2	60	60.8
150	57.9	57.9	54.6	53.2	53.1	53.6	54.5	55.4	56.3	57.3	58.1	59	59.8	60.5
160	57.7	57.7	54.3	52.9	52.8	53.4	54.2	55.1	56.1	57	57.9	58.7	59.5	60.3
170	57.4	57.4	54.1	52.7	52.5	53.1	53.9	54.9	55.8	56.8	57.6	58.5	59.3	60
180	57.2	57.2	53.8	52.4	52.3	52.8	53.7	54.6	55.6	56.5	57.4	58.2	59	59.8
190	56.9	56.9	53.6	52.2	52.1	52.6	53.5	54.4	55.4	56.3	57.1	58	58.8	59.6
200	56.7	56.7	53.3	52	51.8	52.4	53.2	54.2	55.1	56	56.9	57.8	58.6	59.3
210	56.5	56.5	53.1	51.7	51.6	52.2	53	53.9	54.9	55.8	56.7	57.5	58.3	59.1
220	56.3	56.3	52.9	51.5	51.4	51.9	52.8	53.7	54.7	55.6	56.5	57.3	58.1	58.9
230	56.1	56.1	52.7	51.3	51.2	51.7	52.6	53.5	54.4	55.4	56.2	57.1	57.9	58.6
240	55.9	55.9	52.5	51.1	51	51.5	52.4	53.3	54.2	55.2	56	56.9	57.7	58.4
250	55.7	55.7	52.3	50.9	50.8	51.3	52.1	53.1	54	54.9	55.8	56.6	57.4	58.2
260	55.5	55.5	52.1	50.7	50.6	51.1	52	52.9	53.8	54.7	55.6	56.4	57.2	58
270	55.3	55.3	51.9	50.5	50.4	50.9	51.8	52.7	53.6	54.5	55.4	56.2	57	57.8
280	55.1	55.1	51.7	50.4	50.2	50.7	51.6	52.5	53.4	54.3	55.2	56	56.8	57.6
290	54.9	54.9	51.6	50.2	50	50.6	51.4	52.3	53.2	54.2	55	55.8	56.6	57.4
300	54.8	54.8	51.4	50	49.8	50.4	51.2	52.1	53.1	54	54.8	55.7	56.4	57.2

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	60	60	56.5	55	54.7	55.1	55.9	56.7	57.5	58.4	59.2	59.9	60.7	61.4
50	60.1	60.1	56.6	55.1	54.8	55.3	56	56.8	57.7	58.5	59.4	60.1	60.9	61.6
60	59.9	59.9	56.5	55	54.7	55.2	56	56.8	57.7	58.6	59.4	60.2	61	61.7
70	59.5	59.5	56	54.5	54.3	54.7	55.4	56.3	57.1	58	58.8	59.5	60.3	61
80	59.1	59.1	55.6	54.1	53.9	54.3	55	55.9	56.7	57.5	58.3	59	59.8	60.4
90	58.7	58.7	55.3	53.8	53.5	54	54.7	55.5	56.4	57.2	58	58.7	59.5	60.1
100	58.4	58.4	55	53.5	53.2	53.7	54.4	55.3	56.1	57	57.8	58.5	59.3	60
110	58.1	58.1	54.7	53.2	53	53.4	54.2	55	55.9	56.8	57.6	58.3	59.1	59.8
120	57.8	57.8	54.4	52.9	52.7	53.2	53.9	54.8	55.7	56.5	57.3	58.1	58.9	59.6
130	57.5	57.5	54.1	52.6	52.4	52.9	53.7	54.6	55.4	56.3	57.1	57.9	58.7	59.4
140	57.2	57.2	53.8	52.4	52.2	52.6	53.4	54.3	55.2	56.1	56.9	57.7	58.5	59.2
150	56.9	56.9	53.5	52.1	51.9	52.4	53.2	54.1	55	55.8	56.7	57.5	58.3	59
160	56.7	56.7	53.3	51.8	51.6	52.1	52.9	53.8	54.7	55.6	56.5	57.3	58	58.8
170	56.4	56.4	53	51.6	51.4	51.9	52.7	53.6	54.5	55.4	56.2	57	57.8	58.6
180	56.2	56.2	52.8	51.4	51.2	51.7	52.5	53.4	54.3	55.2	56	56.8	57.6	58.3
190	56	56	52.6	51.1	50.9	51.4	52.2	53.1	54.1	54.9	55.8	56.6	57.4	58.1
200	55.7	55.7	52.3	50.9	50.7	51.2	52	52.9	53.8	54.7	55.6	56.4	57.2	57.9
210	55.5	55.5	52.1	50.7	50.5	51	51.8	52.7	53.6	54.5	55.4	56.2	57	57.7
220	55.3	55.3	51.9	50.5	50.3	50.8	51.6	52.5	53.4	54.3	55.1	56	56.7	57.5
230	55.1	55.1	51.7	50.3	50.1	50.6	51.4	52.3	53.2	54.1	54.9	55.8	56.5	57.3
240	54.9	54.9	51.5	50.1	49.9	50.4	51.2	52.1	53	53.9	54.7	55.5	56.3	57.1
250	54.7	54.7	51.3	49.9	49.7	50.2	51	51.9	52.8	53.7	54.5	55.3	56.1	56.9
260	54.5	54.5	51.1	49.7	49.5	50	50.8	51.7	52.6	53.5	54.3	55.1	55.9	56.7
270	54.4	54.4	51	49.5	49.3	49.8	50.6	51.5	52.4	53.3	54.1	55	55.7	56.5
280	54.2	54.2	50.8	49.3	49.1	49.6	50.4	51.3	52.2	53.1	54	54.8	55.5	56.3
290	54	54	50.6	49.2	49	49.5	50.2	51.1	52	52.9	53.8	54.6	55.4	56.1
300	53.9	53.9	50.4	49	48.8	49.3	50.1	51	51.9	52.7	53.6	54.4	55.2	55.9

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	59	59	55.5	53.9	53.6	54	54.8	55.6	56.4	57.2	58	58.8	59.5	60.2
50	59.2	59.2	55.7	54.1	53.8	54.2	54.9	55.7	56.5	57.4	58.1	58.9	59.6	60.3
60	59.1	59.1	55.6	54.1	53.8	54.3	55	55.9	56.7	57.6	58.4	59.2	60	60.7
70	58.6	58.6	55.1	53.6	53.3	53.7	54.4	55.2	56.1	56.9	57.7	58.4	59.2	59.9
80	58.2	58.2	54.7	53.1	52.8	53.2	53.9	54.7	55.5	56.3	57	57.8	58.5	59.1
90	57.8	57.8	54.3	52.8	52.5	52.9	53.5	54.3	55.1	55.9	56.7	57.4	58.1	58.7
100	57.5	57.5	54	52.5	52.2	52.6	53.3	54.1	54.9	55.7	56.4	57.1	57.8	58.5
110	57.2	57.2	53.7	52.2	51.9	52.3	53	53.8	54.6	55.4	56.2	56.9	57.6	58.3
120	56.9	56.9	53.4	51.9	51.6	52.1	52.8	53.6	54.4	55.2	56	56.8	57.5	58.2
130	56.6	56.6	53.1	51.7	51.4	51.8	52.5	53.4	54.2	55	55.8	56.6	57.3	58
140	56.3	56.3	52.9	51.4	51.1	51.6	52.3	53.2	54	54.8	55.6	56.4	57.1	57.8
150	56.1	56.1	52.6	51.1	50.9	51.3	52.1	52.9	53.8	54.6	55.4	56.2	56.9	57.7
160	55.8	55.8	52.4	50.9	50.7	51.1	51.9	52.7	53.6	54.4	55.2	56	56.8	57.5
170	55.6	55.6	52.1	50.7	50.4	50.9	51.6	52.5	53.4	54.2	55	55.8	56.6	57.3
180	55.4	55.4	51.9	50.4	50.2	50.7	51.4	52.3	53.2	54	54.8	55.6	56.4	57.1
190	55.1	55.1	51.7	50.2	50	50.4	51.2	52.1	52.9	53.8	54.6	55.4	56.2	56.9
200	54.9	54.9	51.5	50	49.8	50.2	51	51.9	52.7	53.6	54.4	55.2	56	56.7
210	54.7	54.7	51.3	49.8	49.6	50	50.8	51.7	52.5	53.4	54.2	55	55.8	56.5
220	54.5	54.5	51.1	49.6	49.4	49.8	50.6	51.5	52.3	53.2	54	54.8	55.6	56.3
230	54.3	54.3	50.9	49.4	49.2	49.6	50.4	51.3	52.1	53	53.8	54.6	55.4	56.1
240	54.1	54.1	50.7	49.2	49	49.4	50.2	51.1	51.9	52.8	53.6	54.4	55.2	55.9
250	53.9	53.9	50.5	49	48.8	49.2	50	50.9	51.8	52.6	53.4	54.2	55	55.7
260	53.7	53.7	50.3	48.8	48.6	49	49.8	50.7	51.6	52.4	53.2	54	54.8	55.5
270	53.6	53.6	50.1	48.6	48.4	48.9	49.6	50.5	51.4	52.2	53.1	53.9	54.6	55.3
280	53.4	53.4	49.9	48.5	48.2	48.7	49.5	50.3	51.2	52.1	52.9	53.7	54.4	55.2
290	53.2	53.2	49.8	48.3	48.1	48.5	49.3	50.1	51	51.9	52.7	53.5	54.2	55
300	53.1	53.1	49.6	48.1	47.9	48.3	49.1	50	50.8	51.7	52.5	53.3	54.1	54.8

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	58.1	58.1	54.5	53	52.7	53.1	53.8	54.7	55.5	56.3	57.1	57.9	58.7	59.4
50	58.4	58.4	54.8	53.3	52.9	53.3	54	54.8	55.6	56.4	57.1	57.9	58.6	59.3
60	58.3	58.3	54.8	53.3	53	53.4	54.1	55	55.8	56.7	57.5	58.3	59	59.8
70	57.8	57.8	54.3	52.8	52.4	52.8	53.5	54.3	55.1	55.9	56.7	57.4	58.2	58.8
80	57.4	57.4	53.9	52.3	52	52.3	53	53.7	54.5	55.3	56	56.7	57.4	58.1
90	57.1	57.1	53.5	51.9	51.6	51.9	52.6	53.3	54.1	54.9	55.6	56.3	57	57.6
100	56.7	56.7	53.2	51.6	51.3	51.6	52.3	53	53.8	54.6	55.3	56	56.6	57.3
110	56.4	56.4	52.9	51.3	51	51.4	52	52.8	53.6	54.3	55.1	55.8	56.4	57.1
120	56.1	56.1	52.6	51	50.7	51.1	51.8	52.6	53.4	54.1	54.9	55.6	56.3	56.9
130	55.8	55.8	52.3	50.8	50.5	50.9	51.6	52.3	53.1	53.9	54.7	55.4	56.1	56.8
140	55.6	55.6	52.1	50.5	50.2	50.6	51.3	52.1	52.9	53.7	54.5	55.2	55.9	56.6
150	55.3	55.3	51.8	50.3	50	50.4	51.1	51.9	52.7	53.5	54.3	55	55.7	56.4
160	55.1	55.1	51.6	50.1	49.8	50.2	50.9	51.7	52.5	53.3	54.1	54.9	55.6	56.3
170	54.8	54.8	51.3	49.8	49.5	50	50.7	51.5	52.3	53.1	53.9	54.7	55.4	56.1
180	54.6	54.6	51.1	49.6	49.3	49.7	50.5	51.3	52.1	52.9	53.7	54.5	55.2	55.9
190	54.4	54.4	50.9	49.4	49.1	49.5	50.3	51.1	51.9	52.7	53.5	54.3	55	55.7
200	54.2	54.2	50.7	49.2	48.9	49.3	50.1	50.9	51.7	52.6	53.3	54.1	54.8	55.5
210	54	54	50.5	49	48.7	49.1	49.9	50.7	51.5	52.4	53.2	53.9	54.7	55.4
220	53.8	53.8	50.3	48.8	48.5	48.9	49.7	50.5	51.3	52.2	53	53.7	54.5	55.2
230	53.6	53.6	50.1	48.6	48.3	48.7	49.5	50.3	51.1	52	52.8	53.5	54.3	55
240	53.4	53.4	49.9	48.4	48.1	48.5	49.3	50.1	51	51.8	52.6	53.4	54.1	54.8
250	53.2	53.2	49.7	48.2	47.9	48.4	49.1	49.9	50.8	51.6	52.4	53.2	53.9	54.6
260	53	53	49.5	48	47.8	48.2	48.9	49.7	50.6	51.4	52.2	53	53.7	54.4
270	52.8	52.8	49.3	47.8	47.6	48	48.7	49.6	50.4	51.2	52	52.8	53.5	54.3
280	52.7	52.7	49.2	47.7	47.4	47.8	48.6	49.4	50.2	51.1	51.9	52.6	53.4	54.1
290	52.5	52.5	49	47.5	47.2	47.7	48.4	49.2	50.1	50.9	51.7	52.5	53.2	53.9
300	52.3	52.3	48.9	47.3	47.1	47.5	48.2	49.1	49.9	50.7	51.5	52.3	53	53.7

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	57.2	57.2	53.6	52.1	51.8	52.2	52.9	53.7	54.5	55.3	56.1	56.8	57.6	58.3
50	57.7	57.7	54.1	52.5	52.2	52.5	53.1	53.9	54.7	55.4	56.2	56.9	57.6	58.3
60	57.6	57.6	54	52.5	52.2	52.6	53.3	54.1	54.9	55.8	56.5	57.3	58.1	58.8
70	57.1	57.1	53.6	52	51.7	52	52.7	53.4	54.2	55	55.8	56.5	57.2	57.9
80	56.7	56.7	53.1	51.5	51.2	51.5	52.1	52.9	53.6	54.3	55.1	55.8	56.4	57.1
90	56.3	56.3	52.8	51.2	50.8	51.1	51.7	52.5	53.2	53.9	54.6	55.3	56	56.6
100	56	56	52.4	50.8	50.5	50.8	51.4	52.2	52.9	53.6	54.3	55	55.6	56.3
110	55.7	55.7	52.1	50.6	50.2	50.5	51.2	51.9	52.6	53.4	54.1	54.7	55.4	56
120	55.4	55.4	51.9	50.3	49.9	50.3	50.9	51.7	52.4	53.1	53.9	54.5	55.2	55.8
130	55.1	55.1	51.6	50	49.7	50	50.7	51.4	52.2	52.9	53.7	54.3	55	55.6
140	54.9	54.9	51.3	49.8	49.4	49.8	50.4	51.2	52	52.7	53.5	54.2	54.8	55.5
150	54.6	54.6	51.1	49.5	49.2	49.6	50.2	51	51.8	52.5	53.3	54	54.7	55.3
160	54.4	54.4	50.8	49.3	49	49.3	50	50.8	51.6	52.3	53.1	53.8	54.5	55.1
170	54.1	54.1	50.6	49.1	48.7	49.1	49.8	50.6	51.4	52.1	52.9	53.6	54.3	55
180	53.9	53.9	50.4	48.8	48.5	48.9	49.6	50.4	51.2	52	52.7	53.4	54.1	54.8
190	53.7	53.7	50.2	48.6	48.3	48.7	49.4	50.2	51	51.8	52.5	53.2	53.9	54.6
200	53.5	53.5	50	48.4	48.1	48.5	49.2	50	50.8	51.6	52.3	53.1	53.8	54.4
210	53.3	53.3	49.8	48.2	47.9	48.3	49	49.8	50.6	51.4	52.2	52.9	53.6	54.3
220	53.1	53.1	49.6	48	47.7	48.1	48.8	49.6	50.4	51.2	52	52.7	53.4	54.1
230	52.9	52.9	49.4	47.8	47.5	47.9	48.6	49.4	50.2	51	51.8	52.5	53.2	53.9
240	52.7	52.7	49.2	47.6	47.3	47.7	48.4	49.2	50	50.8	51.6	52.3	53.1	53.7
250	52.5	52.5	49	47.5	47.2	47.5	48.2	49	49.9	50.7	51.4	52.2	52.9	53.6
260	52.3	52.3	48.8	47.3	47	47.4	48.1	48.9	49.7	50.5	51.2	52	52.7	53.4
270	52.2	52.2	48.6	47.1	46.8	47.2	47.9	48.7	49.5	50.3	51.1	51.8	52.5	53.2
280	52	52	48.5	46.9	46.6	47	47.7	48.5	49.3	50.1	50.9	51.6	52.3	53
290	51.8	51.8	48.3	46.8	46.5	46.9	47.5	48.3	49.2	50	50.7	51.5	52.2	52.9
300	51.7	51.7	48.1	46.6	46.3	46.7	47.4	48.2	49	49.8	50.6	51.3	52	52.7

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	56.4	56.4	52.8	51.3	51	51.3	52	52.8	53.6	54.4	55.2	55.9	56.7	57.4
50	57	57	53.4	51.8	51.4	51.8	52.4	53.1	53.9	54.6	55.4	56.1	56.7	57.4
60	56.9	56.9	53.4	51.8	51.5	51.9	52.6	53.4	54.2	55	55.8	56.5	57.2	57.9
70	56.5	56.5	52.9	51.3	51	51.3	51.9	52.7	53.4	54.2	54.9	55.6	56.3	57
80	56.1	56.1	52.5	50.9	50.5	50.8	51.4	52.1	52.8	53.5	54.2	54.9	55.6	56.2
90	55.7	55.7	52.1	50.5	50.1	50.4	51	51.7	52.4	53.1	53.8	54.5	55.1	55.7
100	55.4	55.4	51.8	50.2	49.8	50.1	50.7	51.4	52.1	52.8	53.5	54.1	54.8	55.4
110	55.1	55.1	51.5	49.9	49.5	49.8	50.4	51.1	51.8	52.5	53.2	53.8	54.5	55.1
120	54.8	54.8	51.2	49.6	49.2	49.5	50.1	50.8	51.6	52.3	53	53.6	54.2	54.9
130	54.5	54.5	50.9	49.3	49	49.3	49.9	50.6	51.3	52.1	52.8	53.4	54.1	54.7
140	54.2	54.2	50.7	49.1	48.7	49	49.7	50.4	51.1	51.9	52.6	53.2	53.9	54.5
150	54	54	50.4	48.8	48.5	48.8	49.4	50.2	50.9	51.7	52.4	53	53.7	54.3
160	53.7	53.7	50.2	48.6	48.2	48.6	49.2	50	50.7	51.5	52.2	52.9	53.5	54.1
170	53.5	53.5	49.9	48.4	48	48.4	49	49.8	50.5	51.3	52	52.7	53.3	54
180	53.3	53.3	49.7	48.2	47.8	48.2	48.8	49.6	50.3	51.1	51.8	52.5	53.2	53.8
190	53	53	49.5	47.9	47.6	47.9	48.6	49.4	50.1	50.9	51.6	52.3	53	53.6
200	52.8	52.8	49.3	47.7	47.4	47.7	48.4	49.2	49.9	50.7	51.4	52.1	52.8	53.5
210	52.6	52.6	49.1	47.5	47.2	47.6	48.2	49	49.8	50.5	51.3	52	52.6	53.3
220	52.4	52.4	48.9	47.3	47	47.4	48	48.8	49.6	50.3	51.1	51.8	52.5	53.1
230	52.2	52.2	48.7	47.1	46.8	47.2	47.8	48.6	49.4	50.2	50.9	51.6	52.3	52.9
240	52.1	52.1	48.5	47	46.6	47	47.7	48.4	49.2	50	50.7	51.4	52.1	52.8
250	51.9	51.9	48.3	46.8	46.4	46.8	47.5	48.2	49	49.8	50.5	51.3	51.9	52.6
260	51.7	51.7	48.2	46.6	46.3	46.6	47.3	48.1	48.9	49.6	50.4	51.1	51.8	52.4
270	51.5	51.5	48	46.4	46.1	46.5	47.1	47.9	48.7	49.5	50.2	50.9	51.6	52.3
280	51.4	51.4	47.8	46.3	45.9	46.3	47	47.7	48.5	49.3	50	50.7	51.4	52.1
290	51.2	51.2	47.7	46.1	45.8	46.1	46.8	47.6	48.3	49.1	49.9	50.6	51.3	51.9
300	51	51	47.5	45.9	45.6	46	46.6	47.4	48.2	49	49.7	50.4	51.1	51.7

* 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	76	76	73.2	72.3	72.6	73.5	74.7	76	77.2	78.4	79.5	80.5	81.4	82.4
20	73.2	73.2	70.4	69.5	69.8	70.7	71.9	73.2	74.4	75.5	76.6	77.6	78.5	79.4
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	55.7	55.7	52.2	50.6	50.3	50.7	51.4	52.2	53	53.8	54.6	55.4	56.1	56.8
50	56.4	56.4	52.8	51.2	50.8	51.1	51.7	52.5	53.2	53.9	54.7	55.3	56	56.6
60	56.3	56.3	52.8	51.2	50.8	51.2	51.9	52.6	53.4	54.2	55	55.7	56.4	57.1
70	55.9	55.9	52.3	50.7	50.3	50.6	51.3	52	52.8	53.5	54.2	54.9	55.6	56.2
80	55.5	55.5	51.9	50.2	49.8	50.1	50.7	51.4	52.2	52.9	53.6	54.2	54.9	55.5
90	55.1	55.1	51.5	49.9	49.5	49.7	50.3	51	51.7	52.4	53.1	53.8	54.4	55
100	54.8	54.8	51.2	49.5	49.1	49.4	50	50.7	51.4	52.1	52.7	53.4	54	54.6
110	54.5	54.5	50.9	49.2	48.8	49.1	49.7	50.4	51.1	51.8	52.4	53.1	53.7	54.3
120	54.2	54.2	50.6	49	48.6	48.8	49.4	50.1	50.8	51.5	52.2	52.8	53.4	54
130	53.9	53.9	50.3	48.7	48.3	48.6	49.2	49.9	50.6	51.3	52	52.6	53.2	53.8
140	53.6	53.6	50	48.4	48	48.3	48.9	49.7	50.4	51.1	51.7	52.4	53	53.6
150	53.4	53.4	49.8	48.2	47.8	48.1	48.7	49.4	50.2	50.9	51.5	52.2	52.8	53.4
160	53.1	53.1	49.6	48	47.6	47.9	48.5	49.2	49.9	50.7	51.3	52	52.6	53.2
170	52.9	52.9	49.3	47.7	47.4	47.7	48.3	49	49.7	50.5	51.2	51.8	52.4	53.1
180	52.7	52.7	49.1	47.5	47.1	47.5	48.1	48.8	49.6	50.3	51	51.6	52.3	52.9
190	52.5	52.5	48.9	47.3	46.9	47.3	47.9	48.6	49.4	50.1	50.8	51.5	52.1	52.7
200	52.3	52.3	48.7	47.1	46.7	47.1	47.7	48.4	49.2	49.9	50.6	51.3	51.9	52.6
210	52	52	48.5	46.9	46.5	46.9	47.5	48.3	49	49.7	50.4	51.1	51.8	52.4
220	51.9	51.9	48.3	46.7	46.4	46.7	47.3	48.1	48.8	49.6	50.3	51	51.6	52.2
230	51.7	51.7	48.1	46.5	46.2	46.5	47.1	47.9	48.6	49.4	50.1	50.8	51.4	52.1
240	51.5	51.5	47.9	46.3	46	46.3	47	47.7	48.5	49.2	49.9	50.6	51.3	51.9
250	51.3	51.3	47.7	46.2	45.8	46.1	46.8	47.5	48.3	49	49.8	50.4	51.1	51.7
260	51.1	51.1	47.6	46	45.6	46	46.6	47.4	48.1	48.9	49.6	50.3	50.9	51.6
270	51	51	47.4	45.8	45.5	45.8	46.5	47.2	48	48.7	49.4	50.1	50.8	51.4
280	50.8	50.8	47.2	45.7	45.3	45.6	46.3	47	47.8	48.5	49.3	50	50.6	51.3
290	50.6	50.6	47.1	45.5	45.1	45.5	46.1	46.9	47.6	48.4	49.1	49.8	50.5	51.1
300	50.5	50.5	46.9	45.3	45	45.3	46	46.7	47.5	48.2	48.9	49.6	50.3	50.9

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	62.9	62.9	59.5	58	57.8	58.3	59.1	60	61	61.9	62.8	63.7	64.5	65.3
50	62.2	62.2	58.7	57.2	56.9	57.4	58.2	59.1	60	60.9	61.7	62.6	63.4	64.2
60	61.4	61.4	57.9	56.4	56.1	56.5	57.2	58.1	59	59.8	60.7	61.5	62.3	63
70	60.7	60.7	57.1	55.6	55.3	55.7	56.4	57.2	58	58.8	59.7	60.4	61.2	61.9
80	60	60	56.4	54.8	54.5	54.9	55.5	56.3	57.1	57.9	58.7	59.4	60.2	60.9
90	59.4	59.4	55.8	54.2	53.8	54.1	54.8	55.5	56.3	57	57.8	58.5	59.2	59.9
100	58.8	58.8	55.2	53.6	53.2	53.5	54.1	54.8	55.5	56.2	56.9	57.6	58.3	58.9
110	58.3	58.3	54.7	53	52.6	52.9	53.4	54.1	54.8	55.5	56.2	56.8	57.4	58.1
120	57.9	57.9	54.2	52.5	52.1	52.3	52.8	53.5	54.1	54.8	55.4	56.1	56.7	57.3
130	57.5	57.5	53.8	52.1	51.6	51.8	52.3	52.9	53.6	54.2	54.8	55.4	55.9	56.5
140	57.1	57.1	53.4	51.7	51.2	51.3	51.8	52.4	53	53.6	54.2	54.7	55.3	55.8
150	56.7	56.7	53	51.3	50.8	50.9	51.4	51.9	52.5	53.1	53.6	54.2	54.7	55.2
160	56.4	56.4	52.7	50.9	50.4	50.5	51	51.5	52.1	52.6	53.1	53.6	54.1	54.6
170	56.1	56.1	52.4	50.6	50	50.2	50.6	51.1	51.6	52.2	52.7	53.1	53.6	54.1
180	55.8	55.8	52.1	50.3	49.7	49.8	50.2	50.7	51.3	51.8	52.2	52.7	53.1	53.6
190	55.5	55.5	51.8	50	49.4	49.5	49.9	50.4	50.9	51.4	51.8	52.3	52.7	53.1
200	55.3	55.3	51.5	49.7	49.1	49.2	49.6	50.1	50.6	51	51.5	51.9	52.3	52.7
210	55	55	51.3	49.5	48.9	49	49.3	49.8	50.3	50.7	51.1	51.5	51.9	52.3
220	54.8	54.8	51	49.2	48.6	48.7	49.1	49.5	50	50.4	50.8	51.2	51.5	51.9
230	54.6	54.6	50.8	49	48.4	48.5	48.8	49.2	49.7	50.1	50.5	50.9	51.2	51.5
240	54.4	54.4	50.6	48.8	48.2	48.2	48.6	49	49.4	49.8	50.2	50.6	50.9	51.2
250	54.2	54.2	50.4	48.6	48	48	48.3	48.8	49.2	49.6	50	50.3	50.6	50.9
260	54	54	50.2	48.4	47.8	47.8	48.1	48.5	49	49.4	49.7	50	50.3	50.6
270	53.8	53.8	50	48.2	47.6	47.6	47.9	48.3	48.7	49.1	49.5	49.8	50.1	50.4
280	53.6	53.6	49.8	48	47.4	47.4	47.7	48.1	48.5	48.9	49.2	49.6	49.8	50.1
290	53.5	53.5	49.7	47.8	47.2	47.2	47.5	47.9	48.3	48.7	49	49.3	49.6	49.9
300	53.3	53.3	49.5	47.7	47	47.1	47.4	47.8	48.1	48.5	48.8	49.1	49.4	49.6

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	61.6	61.6	58.1	56.6	56.3	56.8	57.5	58.4	59.3	60.2	61	61.8	62.6	63.4
50	61.1	61.1	57.6	56.1	55.8	56.2	57	57.8	58.7	59.6	60.4	61.3	62.1	62.9
60	60.5	60.5	57	55.4	55.1	55.5	56.2	57	57.9	58.8	59.6	60.4	61.2	61.9
70	59.9	59.9	56.3	54.7	54.4	54.8	55.5	56.3	57.1	57.9	58.7	59.5	60.3	61
80	59.3	59.3	55.7	54.1	53.7	54.1	54.7	55.5	56.3	57.1	57.9	58.7	59.4	60.1
90	58.7	58.7	55.1	53.5	53.1	53.4	54.1	54.8	55.6	56.4	57.1	57.8	58.6	59.3
100	58.2	58.2	54.6	53	52.5	52.8	53.5	54.2	54.9	55.7	56.4	57.1	57.8	58.4
110	57.7	57.7	54.1	52.5	52	52.3	52.9	53.6	54.3	55	55.7	56.4	57	57.7
120	57.3	57.3	53.7	52	51.5	51.8	52.3	53	53.7	54.4	55	55.7	56.3	56.9
130	56.9	56.9	53.2	51.5	51.1	51.3	51.8	52.5	53.1	53.8	54.4	55	55.6	56.2
140	56.5	56.5	52.9	51.1	50.6	50.8	51.4	52	52.6	53.2	53.8	54.4	55	55.5
150	56.2	56.2	52.5	50.8	50.3	50.4	50.9	51.5	52.1	52.7	53.3	53.8	54.4	54.9
160	55.9	55.9	52.2	50.4	49.9	50.1	50.5	51.1	51.7	52.2	52.8	53.3	53.8	54.3
170	55.6	55.6	51.9	50.1	49.6	49.7	50.1	50.7	51.2	51.8	52.3	52.8	53.3	53.8
180	55.3	55.3	51.6	49.8	49.2	49.4	49.8	50.3	50.8	51.4	51.9	52.3	52.8	53.3
190	55	55	51.3	49.5	48.9	49	49.5	50	50.5	51	51.5	51.9	52.4	52.8
200	54.8	54.8	51	49.2	48.7	48.8	49.2	49.6	50.1	50.6	51.1	51.5	52	52.4
210	54.5	54.5	50.8	49	48.4	48.5	48.9	49.3	49.8	50.3	50.7	51.2	51.6	52
220	54.3	54.3	50.5	48.7	48.1	48.2	48.6	49.1	49.5	50	50.4	50.8	51.2	51.6
230	54.1	54.1	50.3	48.5	47.9	48	48.3	48.8	49.3	49.7	50.1	50.5	50.9	51.2
240	53.9	53.9	50.1	48.3	47.7	47.7	48.1	48.5	49	49.4	49.8	50.2	50.5	50.9
250	53.7	53.7	49.9	48.1	47.5	47.5	47.9	48.3	48.7	49.2	49.5	49.9	50.2	50.6
260	53.5	53.5	49.7	47.9	47.3	47.3	47.7	48.1	48.5	48.9	49.3	49.6	49.9	50.3
270	53.3	53.3	49.5	47.7	47.1	47.1	47.4	47.9	48.3	48.7	49	49.4	49.7	50
280	53.1	53.1	49.4	47.5	46.9	46.9	47.3	47.7	48.1	48.5	48.8	49.1	49.4	49.7
290	53	53	49.2	47.3	46.7	46.7	47.1	47.5	47.9	48.2	48.6	48.9	49.2	49.4
300	52.8	52.8	49	47.2	46.5	46.6	46.9	47.3	47.7	48	48.4	48.7	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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	60.3	60.3	56.8	55.3	55	55.3	56.1	56.9	57.7	58.6	59.4	60.2	60.9	61.6
50	60.1	60.1	56.5	54.9	54.6	55	55.7	56.5	57.4	58.2	59	59.8	60.6	61.4
60	59.5	59.5	56	54.4	54	54.4	55.1	55.9	56.7	57.5	58.3	59.1	59.8	60.6
70	58.9	58.9	55.4	53.7	53.4	53.7	54.4	55.1	55.9	56.7	57.5	58.2	59	59.7
80	58.4	58.4	54.8	53.2	52.8	53.1	53.7	54.4	55.2	56	56.7	57.4	58.2	58.9
90	57.9	57.9	54.3	52.6	52.2	52.5	53.1	53.8	54.6	55.3	56	56.7	57.4	58.1
100	57.4	57.4	53.8	52.1	51.7	51.9	52.5	53.2	53.9	54.7	55.4	56	56.7	57.4
110	57	57	53.3	51.6	51.2	51.4	52	52.7	53.4	54.1	54.7	55.4	56	56.7
120	56.6	56.6	52.9	51.2	50.7	51	51.5	52.2	52.8	53.5	54.1	54.8	55.4	56
130	56.2	56.2	52.5	50.8	50.3	50.5	51	51.7	52.3	53	53.6	54.2	54.8	55.4
140	55.8	55.8	52.1	50.4	49.9	50.1	50.6	51.2	51.8	52.4	53.1	53.6	54.2	54.8
150	55.5	55.5	51.8	50.1	49.5	49.7	50.2	50.8	51.4	52	52.6	53.1	53.7	54.2
160	55.2	55.2	51.5	49.7	49.2	49.3	49.8	50.4	51	51.5	52.1	52.6	53.2	53.7
170	54.9	54.9	51.2	49.4	48.9	49	49.4	50	50.6	51.1	51.6	52.2	52.7	53.2
180	54.6	54.6	50.9	49.1	48.5	48.7	49.1	49.6	50.2	50.7	51.2	51.7	52.2	52.7
190	54.3	54.3	50.6	48.8	48.3	48.4	48.8	49.3	49.8	50.3	50.8	51.3	51.8	52.2
200	54.1	54.1	50.3	48.6	48	48.1	48.5	49	49.5	50	50.5	50.9	51.4	51.8
210	53.9	53.9	50.1	48.3	47.7	47.8	48.2	48.7	49.2	49.7	50.1	50.6	51	51.4
220	53.6	53.6	49.9	48.1	47.5	47.6	47.9	48.4	48.9	49.4	49.8	50.2	50.6	51
230	53.4	53.4	49.7	47.8	47.2	47.3	47.7	48.2	48.6	49.1	49.5	49.9	50.3	50.7
240	53.2	53.2	49.4	47.6	47	47.1	47.5	47.9	48.4	48.8	49.2	49.6	50	50.3
250	53	53	49.2	47.4	46.8	46.9	47.2	47.7	48.1	48.5	48.9	49.3	49.6	50
260	52.8	52.8	49	47.2	46.6	46.7	47	47.4	47.9	48.3	48.7	49	49.4	49.7
270	52.6	52.6	48.9	47	46.4	46.5	46.8	47.2	47.6	48	48.4	48.8	49.1	49.4
280	52.5	52.5	48.7	46.9	46.2	46.3	46.6	47	47.4	47.8	48.2	48.5	48.8	49.1
290	52.3	52.3	48.5	46.7	46.1	46.1	46.4	46.8	47.2	47.6	48	48.3	48.6	48.9
300	52.1	52.1	48.4	46.5	45.9	45.9	46.2	46.6	47	47.4	47.7	48.1	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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	59.2	59.2	55.6	54	53.7	54	54.7	55.5	56.3	57.1	57.9	58.6	59.3	60
50	59.1	59.1	55.5	53.9	53.5	53.9	54.5	55.3	56.1	56.9	57.7	58.4	59.2	59.9
60	58.7	58.7	55.1	53.4	53.1	53.4	54.1	54.8	55.6	56.4	57.2	58	58.7	59.5
70	58.1	58.1	54.5	52.8	52.4	52.7	53.4	54.1	54.9	55.6	56.4	57.1	57.8	58.5
80	57.6	57.6	53.9	52.3	51.9	52.1	52.7	53.5	54.2	54.9	55.6	56.4	57.1	57.7
90	57.1	57.1	53.4	51.8	51.3	51.6	52.2	52.9	53.6	54.3	55	55.7	56.3	57
100	56.6	56.6	53	51.3	50.8	51.1	51.6	52.3	53	53.7	54.4	55	55.7	56.3
110	56.2	56.2	52.5	50.8	50.4	50.6	51.1	51.8	52.5	53.1	53.8	54.4	55.1	55.7
120	55.8	55.8	52.1	50.4	49.9	50.2	50.7	51.3	52	52.6	53.2	53.9	54.5	55.1
130	55.4	55.4	51.8	50	49.5	49.7	50.2	50.8	51.5	52.1	52.7	53.3	53.9	54.5
140	55.1	55.1	51.4	49.7	49.2	49.3	49.8	50.4	51	51.6	52.2	52.8	53.4	53.9
150	54.8	54.8	51.1	49.3	48.8	49	49.4	50	50.6	51.2	51.8	52.3	52.9	53.4
160	54.5	54.5	50.8	49	48.5	48.6	49.1	49.6	50.2	50.8	51.3	51.9	52.4	52.9
170	54.2	54.2	50.5	48.7	48.2	48.3	48.7	49.3	49.8	50.4	50.9	51.4	51.9	52.4
180	53.9	53.9	50.2	48.4	47.9	48	48.4	48.9	49.5	50	50.5	51	51.5	52
190	53.7	53.7	49.9	48.1	47.6	47.7	48.1	48.6	49.1	49.7	50.1	50.6	51.1	51.5
200	53.4	53.4	49.7	47.9	47.3	47.4	47.8	48.3	48.8	49.3	49.8	50.2	50.7	51.1
210	53.2	53.2	49.4	47.6	47.1	47.2	47.5	48	48.5	49	49.5	49.9	50.3	50.7
220	53	53	49.2	47.4	46.8	46.9	47.3	47.8	48.2	48.7	49.1	49.6	50	50.4
230	52.8	52.8	49	47.2	46.6	46.7	47	47.5	48	48.4	48.8	49.3	49.6	50
240	52.6	52.6	48.8	47	46.4	46.4	46.8	47.3	47.7	48.1	48.6	49	49.3	49.7
250	52.4	52.4	48.6	46.8	46.2	46.2	46.6	47	47.5	47.9	48.3	48.7	49	49.4
260	52.2	52.2	48.4	46.6	46	46	46.4	46.8	47.2	47.6	48	48.4	48.7	49.1
270	52	52	48.2	46.4	45.8	45.8	46.2	46.6	47	47.4	47.8	48.1	48.5	48.8
280	51.8	51.8	48	46.2	45.6	45.6	46	46.4	46.8	47.2	47.6	47.9	48.2	48.5
290	51.6	51.6	47.9	46	45.4	45.4	45.8	46.2	46.6	47	47.3	47.7	48	48.3
300	51.5	51.5	47.7	45.9	45.2	45.3	45.6	46	46.4	46.8	47.1	47.4	47.7	48

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	58.1	58.1	54.5	52.9	52.6	52.9	53.6	54.3	55.1	55.9	56.6	57.4	58.1	58.8
50	58.2	58.2	54.6	53	52.6	52.9	53.5	54.3	55.1	55.8	56.6	57.3	58	58.7
60	57.9	57.9	54.3	52.6	52.2	52.6	53.2	54	54.7	55.5	56.3	57	57.8	58.5
70	57.3	57.3	53.7	52.1	51.6	51.9	52.5	53.2	54	54.7	55.5	56.2	56.9	57.6
80	56.8	56.8	53.2	51.5	51.1	51.3	51.9	52.6	53.3	54	54.7	55.4	56.1	56.8
90	56.4	56.4	52.7	51	50.5	50.8	51.3	52	52.7	53.4	54.1	54.7	55.4	56
100	55.9	55.9	52.2	50.5	50.1	50.3	50.8	51.5	52.2	52.8	53.5	54.1	54.8	55.4
110	55.5	55.5	51.8	50.1	49.6	49.8	50.4	51	51.7	52.3	52.9	53.6	54.2	54.8
120	55.1	55.1	51.4	49.7	49.2	49.4	49.9	50.5	51.2	51.8	52.4	53	53.6	54.2
130	54.8	54.8	51.1	49.3	48.8	49	49.5	50.1	50.7	51.3	51.9	52.5	53.1	53.7
140	54.4	54.4	50.7	49	48.5	48.6	49.1	49.7	50.3	50.9	51.5	52.1	52.6	53.2
150	54.1	54.1	50.4	48.7	48.1	48.3	48.7	49.3	49.9	50.5	51	51.6	52.1	52.7
160	53.8	53.8	50.1	48.3	47.8	47.9	48.4	48.9	49.5	50.1	50.6	51.2	51.7	52.2
170	53.5	53.5	49.8	48	47.5	47.6	48.1	48.6	49.2	49.7	50.2	50.7	51.3	51.8
180	53.3	53.3	49.5	47.8	47.2	47.3	47.8	48.3	48.8	49.3	49.9	50.4	50.8	51.3
190	53	53	49.3	47.5	46.9	47	47.5	48	48.5	49	49.5	50	50.5	50.9
200	52.8	52.8	49	47.3	46.7	46.8	47.2	47.7	48.2	48.7	49.2	49.6	50.1	50.5
210	52.6	52.6	48.8	47	46.4	46.5	46.9	47.4	47.9	48.4	48.8	49.3	49.7	50.2
220	52.3	52.3	48.6	46.8	46.2	46.3	46.7	47.1	47.6	48.1	48.5	49	49.4	49.8
230	52.1	52.1	48.4	46.6	46	46	46.4	46.9	47.3	47.8	48.2	48.7	49.1	49.4
240	51.9	51.9	48.2	46.3	45.7	45.8	46.2	46.6	47.1	47.5	48	48.4	48.7	49.1
250	51.7	51.7	48	46.1	45.5	45.6	46	46.4	46.9	47.3	47.7	48.1	48.5	48.8
260	51.5	51.5	47.8	45.9	45.3	45.4	45.7	46.2	46.6	47	47.4	47.8	48.2	48.5
270	51.4	51.4	47.6	45.8	45.1	45.2	45.5	46	46.4	46.8	47.2	47.6	47.9	48.2
280	51.2	51.2	47.4	45.6	45	45	45.3	45.8	46.2	46.6	47	47.3	47.6	48
290	51	51	47.2	45.4	44.8	44.8	45.2	45.6	46	46.4	46.7	47.1	47.4	47.7
300	50.9	50.9	47.1	45.2	44.6	44.6	45	45.4	45.8	46.2	46.5	46.9	47.2	47.5

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	57.1	57.1	53.6	52	51.6	51.9	52.6	53.3	54.1	54.9	55.6	56.3	57.1	57.7
50	57.4	57.4	53.8	52.2	51.8	52.1	52.7	53.4	54.1	54.9	55.6	56.3	57	57.6
60	57.1	57.1	53.5	51.9	51.5	51.8	52.4	53.1	53.9	54.6	55.4	56.1	56.8	57.5
70	56.6	56.6	53	51.3	50.9	51.2	51.7	52.4	53.2	53.9	54.6	55.3	56	56.7
80	56.1	56.1	52.5	50.8	50.3	50.6	51.1	51.8	52.5	53.2	53.8	54.5	55.2	55.8
90	55.7	55.7	52	50.3	49.8	50	50.6	51.2	51.9	52.6	53.2	53.9	54.5	55.1
100	55.3	55.3	51.6	49.9	49.4	49.6	50.1	50.7	51.4	52	52.7	53.3	53.9	54.5
110	54.9	54.9	51.2	49.4	48.9	49.1	49.6	50.3	50.9	51.5	52.1	52.8	53.4	53.9
120	54.5	54.5	50.8	49.1	48.5	48.7	49.2	49.8	50.4	51.1	51.7	52.2	52.8	53.4
130	54.1	54.1	50.4	48.7	48.2	48.3	48.8	49.4	50	50.6	51.2	51.8	52.3	52.9
140	53.8	53.8	50.1	48.3	47.8	48	48.4	49	49.6	50.2	50.8	51.3	51.9	52.4
150	53.5	53.5	49.8	48	47.5	47.6	48.1	48.6	49.2	49.8	50.4	50.9	51.4	52
160	53.2	53.2	49.5	47.7	47.2	47.3	47.7	48.3	48.9	49.4	50	50.5	51	51.5
170	52.9	52.9	49.2	47.4	46.9	47	47.4	48	48.5	49.1	49.6	50.1	50.6	51.1
180	52.7	52.7	48.9	47.2	46.6	46.7	47.1	47.6	48.2	48.7	49.2	49.7	50.2	50.7
190	52.4	52.4	48.7	46.9	46.3	46.4	46.8	47.3	47.9	48.4	48.9	49.4	49.8	50.3
200	52.2	52.2	48.4	46.6	46.1	46.2	46.6	47.1	47.6	48.1	48.5	49	49.5	49.9
210	51.9	51.9	48.2	46.4	45.8	45.9	46.3	46.8	47.3	47.8	48.2	48.7	49.1	49.5
220	51.7	51.7	48	46.2	45.6	45.7	46	46.5	47	47.5	47.9	48.4	48.8	49.2
230	51.5	51.5	47.8	46	45.4	45.4	45.8	46.3	46.8	47.2	47.6	48.1	48.5	48.9
240	51.3	51.3	47.6	45.7	45.1	45.2	45.6	46	46.5	46.9	47.4	47.8	48.2	48.6
250	51.1	51.1	47.4	45.5	44.9	45	45.4	45.8	46.3	46.7	47.1	47.5	47.9	48.2
260	50.9	50.9	47.2	45.3	44.7	44.8	45.1	45.6	46	46.5	46.9	47.2	47.6	48
270	50.8	50.8	47	45.2	44.5	44.6	44.9	45.4	45.8	46.2	46.6	47	47.3	47.7
280	50.6	50.6	46.8	45	44.4	44.4	44.7	45.2	45.6	46	46.4	46.7	47.1	47.4
290	50.4	50.4	46.6	44.8	44.2	44.2	44.6	45	45.4	45.8	46.2	46.5	46.8	47.2
300	50.2	50.2	46.5	44.6	44	44	44.4	44.8	45.2	45.6	46	46.3	46.6	46.9

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	56.2	56.2	52.6	51	50.6	50.9	51.5	52.3	53	53.8	54.5	55.2	55.9	56.6
50	56.7	56.7	53.1	51.4	51	51.3	51.9	52.6	53.3	54	54.7	55.4	56	56.7
60	56.5	56.5	52.8	51.2	50.8	51.1	51.7	52.4	53.1	53.9	54.6	55.3	56	56.7
70	56	56	52.3	50.6	50.2	50.4	51	51.7	52.4	53.1	53.8	54.5	55.2	55.8
80	55.5	55.5	51.8	50.1	49.6	49.9	50.4	51	51.7	52.4	53	53.7	54.3	55
90	55	55	51.4	49.6	49.1	49.3	49.9	50.5	51.1	51.8	52.4	53	53.7	54.3
100	54.6	54.6	50.9	49.2	48.7	48.9	49.4	50	50.6	51.3	51.9	52.5	53.1	53.7
110	54.2	54.2	50.5	48.8	48.3	48.5	49	49.5	50.2	50.8	51.4	52	52.5	53.1
120	53.9	53.9	50.2	48.4	47.9	48.1	48.5	49.1	49.7	50.3	50.9	51.5	52.1	52.6
130	53.5	53.5	49.8	48.1	47.5	47.7	48.2	48.7	49.3	49.9	50.5	51	51.6	52.1
140	53.2	53.2	49.5	47.7	47.2	47.4	47.8	48.4	48.9	49.5	50.1	50.6	51.2	51.7
150	52.9	52.9	49.2	47.4	46.9	47	47.5	48	48.6	49.1	49.7	50.2	50.7	51.3
160	52.6	52.6	48.9	47.1	46.6	46.7	47.1	47.7	48.2	48.8	49.3	49.8	50.3	50.8
170	52.3	52.3	48.6	46.8	46.3	46.4	46.8	47.4	47.9	48.4	48.9	49.4	49.9	50.4
180	52.1	52.1	48.3	46.6	46	46.1	46.5	47	47.6	48.1	48.6	49.1	49.6	50
190	51.8	51.8	48.1	46.3	45.7	45.8	46.2	46.7	47.3	47.8	48.3	48.7	49.2	49.7
200	51.6	51.6	47.8	46.1	45.5	45.6	46	46.5	47	47.5	47.9	48.4	48.9	49.3
210	51.4	51.4	47.6	45.8	45.2	45.3	45.7	46.2	46.7	47.2	47.6	48.1	48.5	48.9
220	51.1	51.1	47.4	45.6	45	45.1	45.5	45.9	46.4	46.9	47.3	47.8	48.2	48.6
230	50.9	50.9	47.2	45.4	44.8	44.9	45.2	45.7	46.2	46.6	47.1	47.5	47.9	48.3
240	50.7	50.7	47	45.2	44.6	44.6	45	45.5	45.9	46.4	46.8	47.2	47.6	48
250	50.5	50.5	46.8	45	44.4	44.4	44.8	45.2	45.7	46.1	46.5	46.9	47.3	47.7
260	50.4	50.4	46.6	44.8	44.2	44.2	44.6	45	45.5	45.9	46.3	46.7	47	47.4
270	50.2	50.2	46.4	44.6	44	44	44.4	44.8	45.2	45.7	46.1	46.4	46.8	47.1
280	50	50	46.2	44.4	43.8	43.8	44.2	44.6	45	45.4	45.8	46.2	46.5	46.9
290	49.8	49.8	46.1	44.2	43.6	43.6	44	44.4	44.8	45.2	45.6	46	46.3	46.6
300	49.7	49.7	45.9	44.1	43.4	43.5	43.8	44.2	44.6	45	45.4	45.7	46.1	46.4

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	55.4	55.4	51.8	50.1	49.7	50	50.7	51.4	52.1	52.9	53.6	54.3	55	55.6
50	56	56	52.4	50.8	50.3	50.6	51.2	51.8	52.5	53.2	53.9	54.6	55.2	55.9
60	55.8	55.8	52.2	50.5	50.1	50.4	51	51.7	52.4	53.1	53.8	54.5	55.2	55.9
70	55.4	55.4	51.7	50	49.6	49.8	50.4	51	51.7	52.4	53.1	53.8	54.4	55.1
80	54.9	54.9	51.2	49.5	49	49.2	49.8	50.4	51.1	51.7	52.4	53	53.6	54.2
90	54.5	54.5	50.8	49	48.5	48.7	49.2	49.8	50.5	51.1	51.7	52.3	52.9	53.5
100	54	54	50.3	48.6	48.1	48.3	48.8	49.4	50	50.6	51.2	51.8	52.4	53
110	53.7	53.7	50	48.2	47.7	47.9	48.3	48.9	49.5	50.1	50.7	51.3	51.9	52.4
120	53.3	53.3	49.6	47.8	47.3	47.5	47.9	48.5	49.1	49.7	50.3	50.8	51.4	51.9
130	53	53	49.3	47.5	47	47.1	47.6	48.1	48.7	49.3	49.8	50.4	50.9	51.5
140	52.7	52.7	48.9	47.2	46.6	46.8	47.2	47.8	48.3	48.9	49.5	50	50.5	51
150	52.4	52.4	48.6	46.9	46.3	46.4	46.9	47.4	48	48.5	49.1	49.6	50.1	50.6
160	52.1	52.1	48.3	46.6	46	46.1	46.6	47.1	47.6	48.2	48.7	49.2	49.7	50.2
170	51.8	51.8	48	46.3	45.7	45.8	46.3	46.8	47.3	47.8	48.3	48.8	49.3	49.8
180	51.5	51.5	47.8	46	45.4	45.5	46	46.5	47	47.5	48	48.5	49	49.4
190	51.3	51.3	47.5	45.8	45.2	45.3	45.7	46.2	46.7	47.2	47.7	48.2	48.6	49.1
200	51	51	47.3	45.5	44.9	45	45.4	45.9	46.4	46.9	47.4	47.8	48.3	48.7
210	50.8	50.8	47.1	45.3	44.7	44.8	45.2	45.7	46.1	46.6	47.1	47.5	48	48.4
220	50.6	50.6	46.8	45	44.5	44.5	44.9	45.4	45.9	46.4	46.8	47.2	47.7	48.1
230	50.4	50.4	46.6	44.8	44.2	44.3	44.7	45.2	45.6	46.1	46.5	46.9	47.4	47.8
240	50.2	50.2	46.4	44.6	44	44.1	44.5	44.9	45.4	45.8	46.3	46.7	47.1	47.5
250	50	50	46.2	44.4	43.8	43.9	44.2	44.7	45.2	45.6	46	46.4	46.8	47.2
260	49.8	49.8	46	44.2	43.6	43.7	44	44.5	44.9	45.4	45.8	46.1	46.5	46.9
270	49.6	49.6	45.9	44	43.4	43.5	43.8	44.3	44.7	45.1	45.5	45.9	46.3	46.6
280	49.5	49.5	45.7	43.9	43.2	43.3	43.6	44.1	44.5	44.9	45.3	45.7	46	46.4
290	49.3	49.3	45.5	43.7	43.1	43.1	43.4	43.9	44.3	44.7	45.1	45.4	45.8	46.1
300	49.1	49.1	45.3	43.5	42.9	42.9	43.3	43.7	44.1	44.5	44.9	45.2	45.5	45.9

* 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	75.5	75.5	72.7	71.8	72.1	73.1	74.3	75.5	76.7	77.9	79	80	81	81.9
20	71.2	71.2	68.2	67.2	67.5	68.3	69.5	70.7	71.8	72.9	74	75	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	54.7	54.7	51.1	49.5	49.1	49.4	50	50.8	51.6	52.3	53.1	53.8	54.5	55.2
50	55.4	55.4	51.8	50.1	49.7	49.9	50.5	51.2	51.9	52.6	53.2	53.9	54.5	55.1
60	55.2	55.2	51.6	50	49.5	49.8	50.4	51.1	51.8	52.5	53.2	53.9	54.5	55.2
70	54.8	54.8	51.1	49.4	49	49.2	49.8	50.4	51.1	51.8	52.5	53.1	53.8	54.4
80	54.3	54.3	50.7	48.9	48.5	48.7	49.2	49.8	50.5	51.1	51.8	52.4	53	53.6
90	53.9	53.9	50.2	48.5	48	48.2	48.7	49.3	49.9	50.6	51.2	51.8	52.4	53
100	53.5	53.5	49.8	48.1	47.6	47.7	48.2	48.8	49.4	50	50.6	51.2	51.8	52.4
110	53.1	53.1	49.4	47.7	47.2	47.3	47.8	48.4	49	49.6	50.2	50.7	51.3	51.9
120	52.8	52.8	49.1	47.3	46.8	46.9	47.4	48	48.6	49.2	49.7	50.3	50.8	51.4
130	52.5	52.5	48.7	47	46.4	46.6	47	47.6	48.2	48.8	49.3	49.9	50.4	50.9
140	52.1	52.1	48.4	46.6	46.1	46.2	46.7	47.2	47.8	48.4	48.9	49.5	50	50.5
150	51.8	51.8	48.1	46.3	45.8	45.9	46.4	46.9	47.5	48	48.5	49.1	49.6	50.1
160	51.5	51.5	47.8	46	45.5	45.6	46	46.6	47.1	47.7	48.2	48.7	49.2	49.7
170	51.3	51.3	47.5	45.8	45.2	45.3	45.7	46.3	46.8	47.3	47.8	48.3	48.8	49.3
180	51	51	47.3	45.5	44.9	45	45.4	46	46.5	47	47.5	48	48.5	49
190	50.8	50.8	47	45.2	44.7	44.8	45.2	45.7	46.2	46.7	47.2	47.7	48.1	48.6
200	50.5	50.5	46.8	45	44.4	44.5	44.9	45.4	45.9	46.4	46.9	47.4	47.8	48.3
210	50.3	50.3	46.5	44.8	44.2	44.3	44.7	45.1	45.6	46.1	46.6	47	47.5	47.9
220	50.1	50.1	46.3	44.5	43.9	44	44.4	44.9	45.4	45.9	46.3	46.8	47.2	47.6
230	49.9	49.9	46.1	44.3	43.7	43.8	44.2	44.7	45.1	45.6	46	46.5	46.9	47.3
240	49.7	49.7	45.9	44.1	43.5	43.6	44	44.4	44.9	45.3	45.8	46.2	46.6	47
250	49.5	49.5	45.7	43.9	43.3	43.4	43.7	44.2	44.7	45.1	45.5	45.9	46.3	46.7
260	49.3	49.3	45.5	43.7	43.1	43.2	43.5	44	44.4	44.9	45.3	45.7	46.1	46.4
270	49.1	49.1	45.3	43.5	42.9	43	43.3	43.8	44.2	44.6	45	45.4	45.8	46.2
280	48.9	48.9	45.2	43.3	42.7	42.8	43.1	43.6	44	44.4	44.8	45.2	45.6	45.9
290	48.8	48.8	45	43.2	42.5	42.6	42.9	43.4	43.8	44.2	44.6	45	45.3	45.7
300	48.6	48.6	44.8	43	42.4	42.4	42.8	43.2	43.6	44	44.4	44.7	45.1	45.4

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	75.7	75.7	72.2	70.4	69.6	69.6	70.1	70.8	71.6	72.4	73.3	74.1	75	75.8
50	75	75	71.5	69.6	68.8	68.8	69.2	69.9	70.7	71.5	72.3	73.1	73.9	74.7
60	74.3	74.3	70.8	68.9	68.1	68.1	68.5	69.2	70	70.8	71.6	72.4	73.2	74
70	73.7	73.7	70.2	68.4	67.6	67.6	68	68.7	69.5	70.3	71.2	72	72.8	73.6
80	73.2	73.2	69.7	67.8	67.1	67.1	67.5	68.2	69.1	69.9	70.7	71.6	72.4	73.3
90	72.6	72.6	69.2	67.3	66.6	66.6	67.1	67.8	68.6	69.5	70.4	71.2	72.1	72.9
100	72.2	72.2	68.7	66.9	66.1	66.1	66.6	67.4	68.2	69.1	70	70.9	71.7	72.6
110	71.8	71.8	68.3	66.5	65.7	65.7	66.2	67	67.8	68.7	69.6	70.5	71.4	72.3
120	71.4	71.4	67.9	66.1	65.3	65.4	65.9	66.6	67.5	68.4	69.3	70.2	71.1	71.9
130	71	71	67.5	65.7	65	65	65.5	66.3	67.1	68	68.9	69.8	70.7	71.6
140	70.6	70.6	67.1	65.3	64.6	64.6	65.2	65.9	66.8	67.7	68.6	69.5	70.4	71.3
150	70.3	70.3	66.8	65	64.3	64.3	64.8	65.6	66.5	67.4	68.3	69.2	70.1	71
160	70	70	66.5	64.7	63.9	64	64.5	65.3	66.2	67.1	68	68.9	69.8	70.7
170	69.7	69.7	66.2	64.4	63.6	63.7	64.2	65	65.9	66.8	67.7	68.6	69.5	70.4
180	69.4	69.4	65.9	64.1	63.4	63.4	63.9	64.7	65.6	66.5	67.4	68.3	69.2	70.1
190	69.1	69.1	65.6	63.8	63.1	63.1	63.7	64.4	65.3	66.2	67.1	68.1	69	69.9
200	68.8	68.8	65.4	63.6	62.8	62.9	63.4	64.2	65	66	66.9	67.8	68.7	69.6
210	68.6	68.6	65.1	63.3	62.6	62.6	63.1	63.9	64.8	65.7	66.6	67.5	68.5	69.4
220	68.4	68.4	64.9	63.1	62.3	62.4	62.9	63.7	64.5	65.5	66.4	67.3	68.2	69.1
230	68.1	68.1	64.7	62.8	62.1	62.1	62.7	63.4	64.3	65.2	66.1	67.1	68	68.9
240	67.9	67.9	64.4	62.6	61.9	61.9	62.4	63.2	64.1	65	65.9	66.8	67.7	68.6
250	67.7	67.7	64.2	62.4	61.7	61.7	62.2	63	63.9	64.8	65.7	66.6	67.5	68.4
260	67.5	67.5	64	62.2	61.5	61.5	62	62.8	63.6	64.5	65.5	66.4	67.3	68.2
270	67.3	67.3	63.8	62	61.3	61.3	61.8	62.6	63.4	64.3	65.2	66.2	67.1	68
280	67.1	67.1	63.6	61.8	61.1	61.1	61.6	62.4	63.2	64.1	65	65.9	66.8	67.7
290	66.9	66.9	63.4	61.6	60.9	60.9	61.4	62.2	63	63.9	64.8	65.7	66.6	67.5
300	66.7	66.7	63.3	61.4	60.7	60.7	61.2	62	62.8	63.7	64.6	65.5	66.4	67.3

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	69.7	69.7	66.1	64.1	63.2	63.1	63.4	64	64.8	65.5	66.3	67.2	68	68.8
50	69.6	69.6	66	64	63	62.9	63.2	63.8	64.5	65.3	66	66.9	67.7	68.5
60	69.4	69.4	65.8	63.8	62.8	62.7	63	63.6	64.3	65	65.7	66.5	67.3	68.1
70	69.2	69.2	65.5	63.6	62.6	62.5	62.8	63.4	64.1	64.8	65.5	66.3	67	67.8
80	68.9	68.9	65.3	63.3	62.4	62.3	62.7	63.2	63.9	64.7	65.4	66.2	66.9	67.7
90	68.6	68.6	65	63.1	62.2	62.1	62.5	63.1	63.8	64.6	65.4	66.1	66.9	67.7
100	72	72	68.5	66.7	65.9	65.9	66.4	67.1	67.9	68.7	69.6	70.4	71.3	72.1
110	71.6	71.6	68.1	66.3	65.5	65.5	66	66.7	67.5	68.4	69.2	70.1	71	71.8
120	71.2	71.2	67.7	65.9	65.1	65.1	65.6	66.3	67.1	68	68.9	69.8	70.6	71.5
130	70.8	70.8	67.3	65.5	64.7	64.7	65.2	66	66.8	67.7	68.6	69.4	70.3	71.2
140	70.4	70.4	67	65.1	64.4	64.4	64.9	65.6	66.5	67.3	68.2	69.1	70	70.9
150	70.1	70.1	66.6	64.8	64	64.1	64.5	65.3	66.1	67	67.9	68.8	69.7	70.6
160	69.8	69.8	66.3	64.5	63.7	63.7	64.2	65	65.8	66.7	67.6	68.5	69.4	70.3
170	69.5	69.5	66	64.2	63.4	63.4	63.9	64.7	65.5	66.4	67.3	68.2	69.1	70
180	69.2	69.2	65.7	63.9	63.1	63.2	63.7	64.4	65.3	66.2	67.1	68	68.9	69.7
190	68.9	68.9	65.4	63.6	62.9	62.9	63.4	64.1	65	65.9	66.8	67.7	68.6	69.5
200	68.7	68.7	65.2	63.4	62.6	62.6	63.1	63.9	64.7	65.6	66.5	67.4	68.3	69.2
210	68.4	68.4	64.9	63.1	62.4	62.4	62.9	63.6	64.5	65.4	66.3	67.2	68.1	69
220	68.2	68.2	64.7	62.9	62.1	62.1	62.6	63.4	64.2	65.1	66	66.9	67.8	68.7
230	68	68	64.5	62.6	61.9	61.9	62.4	63.1	64	64.9	65.8	66.7	67.6	68.5
240	67.7	67.7	64.3	62.4	61.7	61.7	62.2	62.9	63.8	64.7	65.6	66.5	67.4	68.2
250	67.5	67.5	64	62.2	61.5	61.5	62	62.7	63.6	64.4	65.3	66.2	67.1	68
260	67.3	67.3	63.8	62	61.2	61.3	61.8	62.5	63.3	64.2	65.1	66	66.9	67.8
270	67.1	67.1	63.6	61.8	61	61.1	61.5	62.3	63.1	64	64.9	65.8	66.7	67.6
280	66.9	66.9	63.4	61.6	60.8	60.9	61.3	62.1	62.9	63.8	64.7	65.6	66.5	67.4
290	66.8	66.8	63.3	61.4	60.7	60.7	61.2	61.9	62.7	63.6	64.5	65.4	66.3	67.1
300	66.6	66.6	63.1	61.2	60.5	60.5	61	61.7	62.5	63.4	64.3	65.2	66.1	66.9

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	68.4	68.4	64.7	62.7	61.7	61.5	61.7	62.2	62.9	63.5	64.2	64.9	65.7	66.4
50	68.1	68.1	64.4	62.4	61.4	61.1	61.4	61.9	62.5	63.2	63.9	64.6	65.4	66.2
60	68	68	64.3	62.2	61.2	61	61.3	61.8	62.4	63.1	63.8	64.5	65.2	66
70	67.8	67.8	64.1	62.1	61.1	60.9	61.1	61.6	62.2	62.9	63.5	64.2	64.9	65.6
80	67.6	67.6	63.9	61.9	60.9	60.7	60.9	61.4	62	62.7	63.3	64	64.6	65.3
90	67.3	67.3	63.6	61.6	60.7	60.5	60.8	61.3	61.9	62.5	63.2	63.8	64.5	65.2
100	67	67	63.4	61.4	60.5	60.3	60.6	61.1	61.7	62.4	63.1	63.8	64.4	65.1
110	66.8	66.8	63.1	61.2	60.2	60.1	60.4	60.9	61.6	62.2	62.9	63.7	64.4	65.1
120	66.5	66.5	62.9	60.9	60	59.8	60.2	60.7	61.4	62.1	62.8	63.5	64.3	65
130	66.2	66.2	62.6	60.7	59.7	59.6	59.9	60.5	61.2	61.9	62.6	63.4	64.1	64.9
140	66	66	62.4	60.4	59.5	59.4	59.7	60.3	61	61.7	62.5	63.2	64	64.7
150	65.7	65.7	62.1	60.2	59.3	59.1	59.5	60.1	60.8	61.5	62.3	63.1	63.8	64.6
160	65.5	65.5	61.9	59.9	59	58.9	59.3	59.9	60.6	61.3	62.1	62.9	63.6	64.4
170	65.2	65.2	61.6	59.7	58.8	58.7	59.1	59.7	60.4	61.1	61.9	62.7	63.5	64.3
180	65	65	61.4	59.5	58.6	58.5	58.8	59.5	60.2	60.9	61.7	62.5	63.3	64.1
190	64.8	64.8	61.2	59.3	58.4	58.3	58.6	59.2	60	60.7	61.5	62.3	63.1	63.9
200	64.6	64.6	61	59.1	58.2	58.1	58.4	59	59.8	60.5	61.3	62.1	62.9	63.7
210	64.4	64.4	60.8	58.8	58	57.9	58.2	58.8	59.6	60.3	61.1	61.9	62.7	63.5
220	64.2	64.2	60.6	58.6	57.8	57.7	58	58.7	59.4	60.2	60.9	61.7	62.5	63.3
230	64	64	60.4	58.5	57.6	57.5	57.8	58.5	59.2	60	60.8	61.5	62.3	63.1
240	63.8	63.8	60.2	58.3	57.4	57.3	57.7	58.3	59	59.8	60.6	61.4	62.2	63
250	63.6	63.6	60	58.1	57.2	57.1	57.5	58.1	58.8	59.6	60.4	61.2	62	62.8
260	63.4	63.4	59.8	57.9	57	56.9	57.3	57.9	58.6	59.4	60.2	61	61.8	62.6
270	63.3	63.3	59.7	57.7	56.8	56.7	57.1	57.7	58.5	59.2	60	60.8	61.6	62.4
280	63.1	63.1	59.5	57.6	56.7	56.6	56.9	57.6	58.3	59.1	59.8	60.6	61.4	62.2
290	62.9	62.9	59.3	57.4	56.5	56.4	56.8	57.4	58.1	58.9	59.7	60.5	61.3	62.1
300	62.8	62.8	59.2	57.2	56.3	56.2	56.6	57.2	57.9	58.7	59.5	60.3	61.1	61.9

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	67.4	67.4	63.7	61.7	60.6	60.4	60.6	61	61.6	62.2	62.8	63.5	64.1	64.8
50	66.9	66.9	63.2	61.1	60.1	59.8	60	60.5	61.1	61.7	62.4	63	63.7	64.4
60	66.8	66.8	63	61	59.9	59.7	59.9	60.3	60.9	61.5	62.2	62.9	63.6	64.3
70	66.7	66.7	62.9	60.9	59.8	59.6	59.8	60.2	60.8	61.4	62	62.6	63.3	64
80	66.5	66.5	62.8	60.7	59.7	59.4	59.6	60.1	60.6	61.2	61.8	62.4	63	63.6
90	66.2	66.2	62.6	60.5	59.5	59.2	59.4	59.9	60.4	61	61.6	62.2	62.8	63.4
100	66	66	62.3	60.3	59.3	59	59.2	59.7	60.2	60.8	61.4	62	62.6	63.2
110	65.8	65.8	62.1	60	59	58.8	59	59.5	60.1	60.7	61.3	61.9	62.5	63.1
120	65.5	65.5	61.8	59.8	58.8	58.6	58.8	59.3	59.9	60.5	61.1	61.7	62.4	63
130	65.2	65.2	61.6	59.6	58.6	58.4	58.6	59.1	59.7	60.3	61	61.6	62.2	62.9
140	65	65	61.3	59.3	58.3	58.1	58.4	58.9	59.5	60.1	60.8	61.4	62.1	62.8
150	64.7	64.7	61.1	59.1	58.1	57.9	58.2	58.7	59.3	59.9	60.6	61.3	61.9	62.6
160	64.5	64.5	60.9	58.8	57.9	57.7	58	58.5	59.1	59.8	60.4	61.1	61.8	62.5
170	64.3	64.3	60.6	58.6	57.7	57.5	57.8	58.3	58.9	59.6	60.2	60.9	61.6	62.3
180	64.1	64.1	60.4	58.4	57.5	57.3	57.6	58.1	58.7	59.4	60	60.7	61.4	62.1
190	63.8	63.8	60.2	58.2	57.2	57.1	57.3	57.9	58.5	59.2	59.9	60.6	61.3	62
200	63.6	63.6	60	58	57	56.9	57.1	57.7	58.3	59	59.7	60.4	61.1	61.8
210	63.4	63.4	59.8	57.8	56.8	56.7	57	57.5	58.1	58.8	59.5	60.2	60.9	61.6
220	63.2	63.2	59.6	57.6	56.6	56.5	56.8	57.3	57.9	58.6	59.3	60	60.7	61.4
230	63	63	59.4	57.4	56.5	56.3	56.6	57.1	57.7	58.4	59.1	59.8	60.5	61.2
240	62.9	62.9	59.2	57.2	56.3	56.1	56.4	56.9	57.6	58.2	58.9	59.6	60.3	61.1
250	62.7	62.7	59	57	56.1	55.9	56.2	56.7	57.4	58.1	58.8	59.5	60.2	60.9
260	62.5	62.5	58.9	56.9	55.9	55.7	56	56.6	57.2	57.9	58.6	59.3	60	60.7
270	62.3	62.3	58.7	56.7	55.7	55.6	55.9	56.4	57	57.7	58.4	59.1	59.8	60.5
280	62.2	62.2	58.5	56.5	55.6	55.4	55.7	56.2	56.9	57.5	58.2	58.9	59.6	60.4
290	62	62	58.4	56.4	55.4	55.2	55.5	56.1	56.7	57.4	58.1	58.8	59.5	60.2
300	61.8	61.8	58.2	56.2	55.2	55.1	55.4	55.9	56.5	57.2	57.9	58.6	59.3	60

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	66.4	66.4	62.7	60.6	59.6	59.3	59.5	59.9	60.4	61	61.6	62.2	62.8	63.5
50	66	66	62.2	60.2	59.1	58.8	59	59.5	60	60.6	61.3	61.9	62.6	63.3
60	65.7	65.7	61.9	59.8	58.8	58.5	58.7	59.1	59.7	60.3	60.9	61.6	62.3	62.9
70	65.6	65.6	61.8	59.7	58.7	58.4	58.6	59	59.5	60.1	60.7	61.3	62	62.6
80	65.4	65.4	61.7	59.6	58.6	58.3	58.5	58.9	59.4	59.9	60.5	61.1	61.7	62.4
90	65.2	65.2	61.5	59.4	58.4	58.1	58.3	58.7	59.2	59.7	60.3	60.9	61.5	62.1
100	65	65	61.3	59.2	58.2	57.9	58.1	58.5	59	59.5	60.1	60.6	61.2	61.8
110	64.7	64.7	61	59	57.9	57.7	57.8	58.3	58.8	59.3	59.9	60.4	61	61.6
120	64.5	64.5	60.8	58.7	57.7	57.4	57.6	58	58.6	59.1	59.7	60.2	60.8	61.4
130	64.2	64.2	60.5	58.5	57.5	57.2	57.4	57.8	58.4	58.9	59.5	60.1	60.6	61.2
140	64	64	60.3	58.2	57.2	57	57.2	57.6	58.2	58.7	59.3	59.9	60.5	61.1
150	63.7	63.7	60.1	58	57	56.8	57	57.4	58	58.5	59.1	59.7	60.3	60.9
160	63.5	63.5	59.8	57.8	56.8	56.5	56.8	57.2	57.8	58.3	58.9	59.5	60.2	60.8
170	63.3	63.3	59.6	57.6	56.6	56.3	56.5	57	57.6	58.2	58.8	59.4	60	60.6
180	63.1	63.1	59.4	57.3	56.3	56.1	56.3	56.8	57.4	58	58.6	59.2	59.8	60.5
190	62.8	62.8	59.2	57.1	56.1	55.9	56.1	56.6	57.2	57.8	58.4	59	59.7	60.3
200	62.6	62.6	59	56.9	55.9	55.7	55.9	56.4	57	57.6	58.2	58.8	59.5	60.1
210	62.4	62.4	58.8	56.7	55.7	55.5	55.7	56.2	56.8	57.4	58	58.7	59.3	60
220	62.2	62.2	58.6	56.5	55.5	55.3	55.6	56	56.6	57.2	57.9	58.5	59.1	59.8
230	62	62	58.4	56.3	55.4	55.1	55.4	55.8	56.4	57	57.7	58.3	59	59.6
240	61.9	61.9	58.2	56.2	55.2	54.9	55.2	55.7	56.2	56.9	57.5	58.1	58.8	59.4
250	61.7	61.7	58	56	55	54.8	55	55.5	56.1	56.7	57.3	58	58.6	59.3
260	61.5	61.5	57.8	55.8	54.8	54.6	54.8	55.3	55.9	56.5	57.1	57.8	58.4	59.1
270	61.3	61.3	57.7	55.6	54.6	54.4	54.7	55.1	55.7	56.3	57	57.6	58.3	58.9
280	61.2	61.2	57.5	55.5	54.5	54.3	54.5	55	55.6	56.2	56.8	57.4	58.1	58.8
290	61	61	57.3	55.3	54.3	54.1	54.3	54.8	55.4	56	56.6	57.3	57.9	58.6
300	60.8	60.8	57.2	55.1	54.2	53.9	54.2	54.6	55.2	55.8	56.5	57.1	57.8	58.4

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	65.3	65.3	61.6	59.5	58.5	58.2	58.4	58.8	59.4	60	60.6	61.2	61.9	62.6
50	65.1	65.1	61.4	59.3	58.2	57.9	58.1	58.5	59	59.6	60.2	60.8	61.4	62.1
60	64.7	64.7	61	58.9	57.8	57.5	57.7	58.1	58.6	59.2	59.8	60.5	61.1	61.8
70	64.6	64.6	60.8	58.7	57.6	57.3	57.5	57.9	58.5	59	59.6	60.2	60.9	61.6
80	64.4	64.4	60.6	58.5	57.5	57.2	57.3	57.7	58.2	58.8	59.3	59.9	60.6	61.2
90	64.2	64.2	60.4	58.3	57.3	57	57.1	57.5	58	58.5	59.1	59.6	60.2	60.8
100	63.9	63.9	60.2	58.1	57	56.7	56.9	57.3	57.8	58.3	58.8	59.3	59.9	60.5
110	63.7	63.7	60	57.9	56.8	56.5	56.7	57	57.5	58	58.6	59.1	59.6	60.2
120	63.4	63.4	59.7	57.6	56.6	56.3	56.4	56.8	57.3	57.8	58.3	58.9	59.4	59.9
130	63.2	63.2	59.5	57.4	56.3	56	56.2	56.6	57.1	57.6	58.1	58.7	59.2	59.7
140	62.9	62.9	59.2	57.1	56.1	55.8	56	56.4	56.9	57.4	57.9	58.5	59	59.6
150	62.7	62.7	59	56.9	55.9	55.6	55.8	56.2	56.7	57.2	57.7	58.3	58.8	59.4
160	62.4	62.4	58.7	56.7	55.6	55.4	55.5	56	56.5	57	57.6	58.1	58.7	59.2
170	62.2	62.2	58.5	56.4	55.4	55.1	55.3	55.7	56.3	56.8	57.4	57.9	58.5	59.1
180	62	62	58.3	56.2	55.2	54.9	55.1	55.5	56.1	56.6	57.2	57.8	58.3	58.9
190	61.8	61.8	58.1	56	55	54.7	54.9	55.4	55.9	56.4	57	57.6	58.2	58.8
200	61.6	61.6	57.9	55.8	54.8	54.5	54.7	55.2	55.7	56.3	56.8	57.4	58	58.6
210	61.4	61.4	57.7	55.6	54.6	54.3	54.5	55	55.5	56.1	56.6	57.2	57.8	58.4
220	61.2	61.2	57.5	55.4	54.4	54.1	54.3	54.8	55.3	55.9	56.5	57.1	57.7	58.3
230	61	61	57.3	55.2	54.2	53.9	54.2	54.6	55.1	55.7	56.3	56.9	57.5	58.1
240	60.8	60.8	57.1	55	54	53.8	54	54.4	54.9	55.5	56.1	56.7	57.3	57.9
250	60.6	60.6	56.9	54.9	53.8	53.6	53.8	54.2	54.8	55.3	55.9	56.5	57.1	57.8
260	60.4	60.4	56.7	54.7	53.7	53.4	53.6	54.1	54.6	55.2	55.8	56.4	57	57.6
270	60.3	60.3	56.6	54.5	53.5	53.2	53.4	53.9	54.4	55	55.6	56.2	56.8	57.4
280	60.1	60.1	56.4	54.3	53.3	53.1	53.3	53.7	54.3	54.8	55.4	56	56.6	57.3
290	59.9	59.9	56.2	54.2	53.2	52.9	53.1	53.6	54.1	54.7	55.3	55.9	56.5	57.1
300	59.8	59.8	56.1	54	53	52.7	52.9	53.4	53.9	54.5	55.1	55.7	56.3	56.9

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	64.3	64.3	60.5	58.5	57.4	57.1	57.3	57.7	58.3	58.9	59.5	60.1	60.7	61.4
50	64.3	64.3	60.5	58.4	57.3	57	57.2	57.6	58.1	58.6	59.2	59.8	60.4	61
60	63.9	63.9	60.1	58	56.9	56.6	56.8	57.2	57.7	58.3	58.9	59.5	60.1	60.8
70	63.6	63.6	59.9	57.8	56.7	56.4	56.5	56.9	57.4	57.9	58.5	59.1	59.7	60.4
80	63.4	63.4	59.7	57.5	56.5	56.1	56.3	56.7	57.1	57.7	58.2	58.8	59.4	60
90	63.2	63.2	59.4	57.3	56.2	55.9	56.1	56.4	56.9	57.4	58	58.5	59.1	59.7
100	62.9	62.9	59.2	57.1	56	55.7	55.8	56.2	56.7	57.2	57.7	58.2	58.8	59.4
110	62.7	62.7	58.9	56.8	55.7	55.4	55.6	55.9	56.4	56.9	57.4	57.9	58.5	59
120	62.4	62.4	58.7	56.6	55.5	55.2	55.3	55.7	56.2	56.7	57.2	57.7	58.2	58.7
130	62.2	62.2	58.4	56.3	55.3	54.9	55.1	55.5	55.9	56.4	56.9	57.4	57.9	58.5
140	61.9	61.9	58.2	56.1	55	54.7	54.9	55.2	55.7	56.2	56.7	57.2	57.7	58.2
150	61.7	61.7	57.9	55.8	54.8	54.5	54.6	55	55.5	56	56.5	57	57.5	58.1
160	61.4	61.4	57.7	55.6	54.5	54.2	54.4	54.8	55.3	55.8	56.3	56.8	57.3	57.9
170	61.2	61.2	57.5	55.4	54.3	54	54.2	54.6	55.1	55.6	56.1	56.6	57.2	57.7
180	61	61	57.2	55.2	54.1	53.8	54	54.4	54.9	55.4	55.9	56.5	57	57.5
190	60.7	60.7	57	54.9	53.9	53.6	53.8	54.2	54.7	55.2	55.7	56.3	56.8	57.4
200	60.5	60.5	56.8	54.7	53.7	53.4	53.6	54	54.5	55	55.6	56.1	56.7	57.2
210	60.3	60.3	56.6	54.5	53.5	53.2	53.4	53.8	54.3	54.8	55.4	55.9	56.5	57.1
220	60.1	60.1	56.4	54.3	53.3	53	53.2	53.6	54.1	54.7	55.2	55.8	56.3	56.9
230	59.9	59.9	56.2	54.1	53.1	52.8	53	53.4	53.9	54.5	55	55.6	56.2	56.7
240	59.7	59.7	56	54	52.9	52.6	52.8	53.2	53.7	54.3	54.9	55.4	56	56.6
250	59.6	59.6	55.9	53.8	52.7	52.5	52.6	53.1	53.6	54.1	54.7	55.2	55.8	56.4
260	59.4	59.4	55.7	53.6	52.6	52.3	52.5	52.9	53.4	53.9	54.5	55.1	55.6	56.2
270	59.2	59.2	55.5	53.4	52.4	52.1	52.3	52.7	53.2	53.8	54.3	54.9	55.5	56.1
280	59	59	55.3	53.3	52.2	51.9	52.1	52.5	53.1	53.6	54.2	54.7	55.3	55.9
290	58.9	58.9	55.2	53.1	52.1	51.8	52	52.4	52.9	53.4	54	54.6	55.2	55.8
300	58.7	58.7	55	52.9	51.9	51.6	51.8	52.2	52.7	53.3	53.8	54.4	55	55.6

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	63.4	63.4	59.7	57.6	56.6	56.3	56.4	56.9	57.4	58	58.6	59.2	59.8	60.4
50	63.5	63.5	59.8	57.7	56.6	56.3	56.5	56.9	57.4	57.9	58.5	59.1	59.7	60.3
60	63.2	63.2	59.4	57.3	56.2	55.9	56.1	56.5	57	57.5	58.1	58.7	59.3	60
70	62.9	62.9	59.1	57	55.9	55.6	55.8	56.2	56.7	57.2	57.8	58.4	59.1	59.7
80	62.6	62.6	58.8	56.7	55.6	55.3	55.5	55.9	56.3	56.9	57.4	58	58.6	59.3
90	62.3	62.3	58.6	56.5	55.4	55.1	55.2	55.6	56.1	56.6	57.1	57.7	58.3	58.9
100	62.1	62.1	58.3	56.2	55.1	54.8	54.9	55.3	55.8	56.3	56.8	57.4	57.9	58.5
110	61.8	61.8	58	55.9	54.8	54.5	54.7	55	55.5	56	56.5	57	57.6	58.2
120	61.5	61.5	57.8	55.7	54.6	54.3	54.4	54.8	55.2	55.7	56.2	56.7	57.2	57.8
130	61.3	61.3	57.5	55.4	54.3	54	54.1	54.5	55	55.4	55.9	56.4	57	57.5
140	61	61	57.3	55.2	54.1	53.8	53.9	54.3	54.7	55.2	55.7	56.2	56.7	57.2
150	60.8	60.8	57	54.9	53.8	53.5	53.7	54	54.5	55	55.5	56	56.5	57
160	60.5	60.5	56.8	54.7	53.6	53.3	53.5	53.8	54.3	54.8	55.3	55.8	56.3	56.8
170	60.3	60.3	56.5	54.5	53.4	53.1	53.2	53.6	54.1	54.6	55.1	55.6	56.1	56.6
180	60.1	60.1	56.3	54.2	53.2	52.9	53	53.4	53.9	54.4	54.9	55.4	55.9	56.4
190	59.8	59.8	56.1	54	53	52.7	52.8	53.2	53.7	54.2	54.7	55.2	55.7	56.3
200	59.6	59.6	55.9	53.8	52.8	52.5	52.6	53	53.5	54	54.5	55.1	55.6	56.1
210	59.4	59.4	55.7	53.6	52.6	52.3	52.4	52.8	53.3	53.8	54.4	54.9	55.4	56
220	59.2	59.2	55.5	53.4	52.4	52.1	52.2	52.6	53.1	53.7	54.2	54.7	55.3	55.8
230	59	59	55.3	53.2	52.2	51.9	52.1	52.5	53	53.5	54	54.5	55.1	55.6
240	58.8	58.8	55.1	53	52	51.7	51.9	52.3	52.8	53.3	53.8	54.4	54.9	55.5
250	58.7	58.7	54.9	52.9	51.8	51.5	51.7	52.1	52.6	53.1	53.7	54.2	54.8	55.3
260	58.5	58.5	54.8	52.7	51.6	51.4	51.5	51.9	52.4	53	53.5	54.1	54.6	55.2
270	58.3	58.3	54.6	52.5	51.5	51.2	51.4	51.8	52.3	52.8	53.3	53.9	54.4	55
280	58.1	58.1	54.4	52.3	51.3	51	51.2	51.6	52.1	52.6	53.2	53.7	54.3	54.9
290	58	58	54.3	52.2	51.1	50.8	51	51.4	51.9	52.5	53	53.6	54.1	54.7
300	57.8	57.8	54.1	52	51	50.7	50.9	51.3	51.8	52.3	52.9	53.4	54	54.5

* 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	82.7	82.7	79.4	77.8	77.3	77.5	78.3	79.2	80.3	81.4	82.5	83.6	84.6	85.6
20	79.7	79.7	76.4	74.8	74.2	74.5	75.2	76.1	77.2	78.3	79.4	80.5	81.5	82.5
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	62.7	62.7	59	56.9	55.9	55.6	55.8	56.2	56.8	57.3	58	58.6	59.2	59.9
50	62.9	62.9	59.1	57	55.9	55.6	55.8	56.2	56.7	57.2	57.7	58.3	58.9	59.5
60	62.5	62.5	58.7	56.6	55.6	55.2	55.4	55.8	56.3	56.8	57.4	58	58.6	59.2
70	62.1	62.1	58.4	56.2	55.2	54.8	55	55.4	55.9	56.4	57	57.5	58.1	58.7
80	61.8	61.8	58.1	55.9	54.9	54.5	54.7	55	55.5	56	56.6	57.2	57.8	58.4
90	61.5	61.5	57.8	55.7	54.6	54.2	54.4	54.7	55.2	55.7	56.3	56.8	57.4	58
100	61.3	61.3	57.5	55.4	54.3	54	54.1	54.5	54.9	55.4	56	56.5	57.1	57.7
110	61	61	57.3	55.1	54	53.7	53.8	54.2	54.6	55.1	55.6	56.2	56.7	57.3
120	60.7	60.7	57	54.9	53.8	53.5	53.6	53.9	54.4	54.9	55.4	55.9	56.4	56.9
130	60.5	60.5	56.7	54.6	53.5	53.2	53.3	53.7	54.1	54.6	55.1	55.6	56.1	56.6
140	60.2	60.2	56.5	54.4	53.3	53	53.1	53.4	53.9	54.4	54.8	55.3	55.8	56.3
150	60	60	56.2	54.1	53.1	52.7	52.9	53.2	53.7	54.1	54.6	55.1	55.6	56.1
160	59.8	59.8	56	53.9	52.8	52.5	52.6	53	53.4	53.9	54.4	54.9	55.3	55.8
170	59.5	59.5	55.8	53.7	52.6	52.3	52.4	52.8	53.2	53.7	54.2	54.7	55.1	55.6
180	59.3	59.3	55.6	53.5	52.4	52.1	52.2	52.6	53	53.5	54	54.5	55	55.5
190	59.1	59.1	55.3	53.2	52.2	51.9	52	52.4	52.8	53.3	53.8	54.3	54.8	55.3
200	58.9	58.9	55.1	53	52	51.7	51.8	52.2	52.6	53.1	53.6	54.1	54.6	55.1
210	58.7	58.7	54.9	52.8	51.8	51.5	51.6	52	52.5	52.9	53.4	53.9	54.5	55
220	58.5	58.5	54.7	52.6	51.6	51.3	51.4	51.8	52.3	52.8	53.3	53.8	54.3	54.8
230	58.3	58.3	54.6	52.5	51.4	51.1	51.2	51.6	52.1	52.6	53.1	53.6	54.1	54.7
240	58.1	58.1	54.4	52.3	51.2	50.9	51.1	51.5	51.9	52.4	52.9	53.5	54	54.5
250	57.9	57.9	54.2	52.1	51	50.7	50.9	51.3	51.8	52.3	52.8	53.3	53.8	54.3
260	57.7	57.7	54	51.9	50.9	50.6	50.7	51.1	51.6	52.1	52.6	53.1	53.7	54.2
270	57.6	57.6	53.8	51.7	50.7	50.4	50.6	50.9	51.4	51.9	52.5	53	53.5	54
280	57.4	57.4	53.7	51.6	50.5	50.2	50.4	50.8	51.3	51.8	52.3	52.8	53.4	53.9
290	57.2	57.2	53.5	51.4	50.4	50.1	50.2	50.6	51.1	51.6	52.1	52.7	53.2	53.7
300	57.1	57.1	53.3	51.2	50.2	49.9	50.1	50.5	50.9	51.5	52	52.5	53	53.6

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	73.1	73.1	69.6	67.8	67	67.1	67.6	68.4	69.3	70.3	71.3	72.3	73.2	74.2
50	72.1	72.1	68.6	66.7	65.9	66	66.5	67.3	68.1	69.1	70.1	71	72	72.9
60	71.2	71.2	67.6	65.8	65	65	65.5	66.2	67.1	68	69	69.9	70.9	71.8
70	70.3	70.3	66.7	64.9	64.1	64.1	64.5	65.3	66.1	67	68	68.9	69.8	70.7
80	69.5	69.5	65.9	64.1	63.3	63.2	63.7	64.4	65.3	66.1	67	68	68.9	69.8
90	68.8	68.8	65.2	63.3	62.5	62.5	62.9	63.6	64.5	65.3	66.2	67.1	68	68.8
100	68.2	68.2	64.6	62.7	61.9	61.8	62.3	62.9	63.7	64.6	65.4	66.3	67.1	68
110	67.6	67.6	64	62.1	61.3	61.2	61.6	62.3	63	63.8	64.7	65.5	66.3	67.2
120	67.1	67.1	63.5	61.6	60.7	60.6	61	61.6	62.4	63.2	64	64.8	65.6	66.4
130	66.6	66.6	63	61.1	60.2	60.1	60.4	61.1	61.8	62.5	63.3	64.1	64.9	65.6
140	66.2	66.2	62.6	60.6	59.7	59.6	59.9	60.5	61.2	61.9	62.7	63.4	64.2	64.9
150	65.8	65.8	62.1	60.2	59.2	59.1	59.4	60	60.7	61.4	62.1	62.8	63.5	64.3
160	65.4	65.4	61.7	59.7	58.8	58.6	58.9	59.5	60.1	60.8	61.5	62.2	62.9	63.6
170	65	65	61.3	59.3	58.4	58.2	58.5	59	59.6	60.3	60.9	61.6	62.3	63
180	64.6	64.6	60.9	58.9	58	57.7	58	58.5	59.1	59.7	60.4	61.1	61.7	62.4
190	64.2	64.2	60.6	58.5	57.5	57.3	57.6	58	58.6	59.2	59.9	60.5	61.1	61.8
200	63.9	63.9	60.2	58.1	57.1	56.9	57.1	57.6	58.2	58.8	59.4	60	60.6	61.2
210	63.5	63.5	59.8	57.8	56.8	56.5	56.7	57.2	57.7	58.3	58.9	59.5	60.1	60.7
220	63.2	63.2	59.5	57.4	56.4	56.1	56.3	56.7	57.3	57.8	58.4	59	59.5	60.1
230	62.9	62.9	59.2	57.1	56	55.7	55.9	56.3	56.8	57.4	57.9	58.5	59.1	59.6
240	62.6	62.6	58.8	56.7	55.7	55.4	55.6	55.9	56.4	57	57.5	58	58.6	59.1
250	62.3	62.3	58.5	56.4	55.4	55	55.2	55.6	56	56.5	57.1	57.6	58.1	58.7
260	62	62	58.2	56.1	55	54.7	54.9	55.2	55.7	56.2	56.7	57.2	57.7	58.2
270	61.7	61.7	58	55.8	54.8	54.4	54.5	54.9	55.3	55.8	56.3	56.8	57.3	57.8
280	61.5	61.5	57.7	55.6	54.5	54.1	54.2	54.6	55	55.4	55.9	56.4	56.9	57.4
290	61.2	61.2	57.4	55.3	54.2	53.8	53.9	54.2	54.7	55.1	55.5	56	56.5	57
300	61	61	57.2	55	53.9	53.6	53.6	53.9	54.3	54.8	55.2	55.6	56.1	56.6

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	68.5	68.5	64.9	62.9	62	61.9	62.2	62.9	63.6	64.5	65.3	66.2	67.1	68
50	68	68	64.4	62.4	61.5	61.3	61.7	62.4	63.2	64	64.9	65.8	66.8	67.7
60	67.6	67.6	63.9	61.9	61	60.9	61.3	62	62.8	63.6	64.5	65.4	66.3	67.3
70	67.1	67.1	63.5	61.5	60.6	60.4	60.8	61.5	62.3	63.1	64	64.9	65.8	66.7
80	66.6	66.6	63	61	60.1	60	60.3	61	61.8	62.6	63.5	64.4	65.3	66.2
90	66.2	66.2	62.5	60.5	59.6	59.5	59.9	60.5	61.3	62.1	63	63.8	64.7	65.6
100	68.1	68.1	64.6	62.7	61.9	61.8	62.3	62.9	63.8	64.6	65.5	66.3	67.2	68.1
110	67.6	67.6	64	62.1	61.2	61.2	61.6	62.3	63.1	63.9	64.7	65.6	66.4	67.3
120	67	67	63.4	61.5	60.7	60.6	61	61.7	62.4	63.2	64	64.8	65.7	66.5
130	66.5	66.5	63	61	60.2	60.1	60.4	61.1	61.8	62.6	63.4	64.2	64.9	65.7
140	66.1	66.1	62.5	60.6	59.7	59.6	59.9	60.5	61.2	62	62.7	63.5	64.3	65
150	65.7	65.7	62.1	60.1	59.2	59.1	59.4	60	60.7	61.4	62.1	62.9	63.6	64.4
160	65.3	65.3	61.7	59.7	58.8	58.6	58.9	59.5	60.1	60.8	61.5	62.3	63	63.7
170	64.9	64.9	61.3	59.3	58.3	58.2	58.5	59	59.6	60.3	61	61.7	62.4	63.1
180	64.6	64.6	60.9	58.9	57.9	57.7	58	58.5	59.1	59.8	60.4	61.1	61.8	62.5
190	64.2	64.2	60.5	58.5	57.5	57.3	57.6	58	58.6	59.3	59.9	60.6	61.2	61.9
200	63.8	63.8	60.1	58.1	57.1	56.9	57.1	57.6	58.2	58.8	59.4	60	60.7	61.3
210	63.5	63.5	59.8	57.7	56.7	56.5	56.7	57.1	57.7	58.3	58.9	59.5	60.1	60.7
220	63.1	63.1	59.4	57.4	56.3	56.1	56.3	56.7	57.3	57.8	58.4	59	59.6	60.2
230	62.8	62.8	59.1	57	56	55.7	55.9	56.3	56.8	57.4	58	58.5	59.1	59.7
240	62.5	62.5	58.8	56.7	55.6	55.3	55.5	55.9	56.4	57	57.5	58.1	58.6	59.2
250	62.2	62.2	58.5	56.4	55.3	55	55.2	55.5	56	56.5	57.1	57.6	58.2	58.7
260	61.9	61.9	58.2	56.1	55	54.7	54.8	55.2	55.7	56.2	56.7	57.2	57.7	58.3
270	61.7	61.7	57.9	55.8	54.7	54.4	54.5	54.8	55.3	55.8	56.3	56.8	57.3	57.8
280	61.4	61.4	57.6	55.5	54.4	54.1	54.2	54.5	55	55.4	55.9	56.4	56.9	57.4
290	61.1	61.1	57.4	55.2	54.1	53.8	53.9	54.2	54.6	55.1	55.5	56	56.5	57
300	60.9	60.9	57.1	55	53.9	53.5	53.6	53.9	54.3	54.7	55.2	55.6	56.1	56.6

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	67.3	67.3	63.7	61.6	60.6	60.4	60.7	61.2	61.8	62.5	63.3	64	64.8	65.6
50	66.7	66.7	63	60.9	59.9	59.7	60	60.6	61.2	62	62.8	63.6	64.4	65.3
60	66.2	66.2	62.5	60.5	59.5	59.3	59.5	60.1	60.8	61.5	62.3	63.1	64	64.9
70	65.8	65.8	62.1	60	59	58.8	59.1	59.6	60.3	61.1	61.8	62.7	63.5	64.4
80	65.3	65.3	61.6	59.6	58.6	58.3	58.6	59.2	59.8	60.6	61.3	62.1	63	63.8
90	64.9	64.9	61.2	59.1	58.1	57.9	58.1	58.7	59.3	60	60.8	61.6	62.4	63.3
100	64.4	64.4	60.7	58.6	57.6	57.4	57.6	58.2	58.8	59.5	60.3	61	61.9	62.7
110	64	64	60.3	58.2	57.2	56.9	57.2	57.7	58.3	59	59.7	60.5	61.3	62.1
120	63.6	63.6	59.8	57.8	56.7	56.5	56.7	57.2	57.8	58.5	59.2	59.9	60.7	61.5
130	63.2	63.2	59.4	57.4	56.3	56.1	56.3	56.7	57.3	58	58.7	59.4	60.2	60.9
140	62.8	62.8	59.1	57	55.9	55.6	55.9	56.3	56.9	57.5	58.2	58.9	59.6	60.4
150	62.5	62.5	58.7	56.6	55.6	55.3	55.5	55.9	56.4	57.1	57.7	58.4	59.1	59.8
160	62.1	62.1	58.4	56.3	55.2	54.9	55.1	55.5	56	56.6	57.2	57.9	58.6	59.3
170	61.8	61.8	58.1	56	54.9	54.6	54.7	55.1	55.6	56.2	56.8	57.4	58.1	58.8
180	61.5	61.5	57.8	55.6	54.6	54.2	54.4	54.8	55.3	55.8	56.4	57	57.6	58.3
190	61.3	61.3	57.5	55.4	54.3	53.9	54	54.4	54.9	55.4	56	56.6	57.2	57.8
200	61	61	57.2	55.1	54	53.6	53.7	54.1	54.5	55.1	55.6	56.1	56.7	57.3
210	60.8	60.8	57	54.8	53.7	53.3	53.4	53.8	54.2	54.7	55.2	55.7	56.3	56.9
220	60.5	60.5	56.7	54.5	53.4	53.1	53.1	53.5	53.9	54.4	54.8	55.4	55.9	56.5
230	60.3	60.3	56.5	54.3	53.2	52.8	52.9	53.2	53.6	54	54.5	55	55.5	56
240	60	60	56.2	54.1	52.9	52.5	52.6	52.9	53.3	53.7	54.2	54.6	55.1	55.6
250	59.8	59.8	56	53.8	52.7	52.3	52.3	52.6	53	53.4	53.8	54.3	54.8	55.3
260	59.6	59.6	55.8	53.6	52.4	52	52.1	52.4	52.7	53.1	53.5	54	54.4	54.9
270	59.4	59.4	55.6	53.4	52.2	51.8	51.8	52.1	52.4	52.8	53.2	53.6	54.1	54.5
280	59.2	59.2	55.4	53.2	52	51.6	51.6	51.9	52.2	52.6	52.9	53.3	53.7	54.2
290	59	59	55.2	53	51.8	51.4	51.4	51.6	52	52.3	52.7	53	53.4	53.8
300	58.8	58.8	55	52.8	51.6	51.2	51.2	51.4	51.7	52.1	52.4	52.8	53.1	53.5

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	66.4	66.4	62.6	60.6	59.5	59.3	59.5	59.9	60.5	61.1	61.8	62.4	63.1	63.8
50	65.6	65.6	61.9	59.8	58.7	58.5	58.7	59.2	59.8	60.5	61.2	61.9	62.7	63.4
60	65.1	65.1	61.4	59.3	58.2	58	58.2	58.7	59.3	60	60.7	61.4	62.2	63
70	64.7	64.7	61	58.9	57.8	57.5	57.8	58.2	58.8	59.5	60.2	60.9	61.7	62.5
80	64.3	64.3	60.5	58.4	57.4	57.1	57.3	57.8	58.4	59	59.7	60.4	61.2	62
90	63.9	63.9	60.1	58	56.9	56.6	56.8	57.3	57.9	58.5	59.2	59.9	60.7	61.4
100	63.4	63.4	59.7	57.6	56.5	56.2	56.4	56.8	57.4	58	58.7	59.4	60.1	60.9
110	63	63	59.2	57.1	56.1	55.8	55.9	56.4	56.9	57.5	58.2	58.8	59.6	60.3
120	62.6	62.6	58.8	56.7	55.6	55.3	55.5	55.9	56.4	57	57.7	58.3	59	59.8
130	62.2	62.2	58.5	56.3	55.2	54.9	55.1	55.5	56	56.6	57.2	57.8	58.5	59.2
140	61.9	61.9	58.1	55.9	54.9	54.5	54.7	55	55.5	56.1	56.7	57.3	58	58.7
150	61.5	61.5	57.7	55.6	54.5	54.1	54.3	54.6	55.1	55.7	56.2	56.8	57.5	58.1
160	61.2	61.2	57.4	55.3	54.1	53.8	53.9	54.3	54.7	55.2	55.8	56.4	57	57.6
170	60.9	60.9	57.1	54.9	53.8	53.5	53.6	53.9	54.3	54.8	55.4	55.9	56.5	57.1
180	60.6	60.6	56.8	54.6	53.5	53.1	53.2	53.5	54	54.5	55	55.5	56.1	56.7
190	60.3	60.3	56.5	54.3	53.2	52.8	52.9	53.2	53.6	54.1	54.6	55.1	55.6	56.2
200	60.1	60.1	56.3	54.1	52.9	52.5	52.6	52.9	53.3	53.7	54.2	54.7	55.2	55.8
210	59.8	59.8	56	53.8	52.7	52.3	52.3	52.6	53	53.4	53.8	54.3	54.8	55.3
220	59.6	59.6	55.8	53.6	52.4	52	52	52.3	52.7	53.1	53.5	54	54.4	54.9
230	59.3	59.3	55.5	53.3	52.2	51.7	51.8	52	52.4	52.8	53.2	53.6	54.1	54.5
240	59.1	59.1	55.3	53.1	51.9	51.5	51.5	51.8	52.1	52.5	52.9	53.3	53.7	54.2
250	58.9	58.9	55.1	52.9	51.7	51.3	51.3	51.5	51.8	52.2	52.6	53	53.4	53.8
260	58.7	58.7	54.9	52.7	51.5	51	51	51.3	51.6	51.9	52.3	52.6	53	53.5
270	58.5	58.5	54.7	52.5	51.3	50.8	50.8	51	51.3	51.7	52	52.4	52.7	53.1
280	58.3	58.3	54.5	52.3	51.1	50.6	50.6	50.8	51.1	51.4	51.7	52.1	52.4	52.8
290	58.1	58.1	54.3	52.1	50.9	50.4	50.4	50.6	50.9	51.2	51.5	51.8	52.1	52.5
300	58	58	54.1	51.9	50.7	50.2	50.2	50.4	50.7	51	51.2	51.5	51.9	52.2

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	65.3	65.3	61.5	59.4	58.4	58.1	58.2	58.6	59.2	59.7	60.3	60.9	61.5	62.2
50	64.7	64.7	60.9	58.8	57.8	57.5	57.7	58.1	58.7	59.3	59.9	60.6	61.3	62
60	64.1	64.1	60.4	58.2	57.2	56.9	57.1	57.5	58.1	58.7	59.4	60.1	60.8	61.6
70	63.7	63.7	59.9	57.8	56.7	56.4	56.6	57	57.6	58.2	58.8	59.5	60.2	61
80	63.3	63.3	59.5	57.4	56.3	56	56.2	56.6	57.1	57.7	58.3	59	59.7	60.5
90	62.9	62.9	59.1	57	55.9	55.6	55.7	56.1	56.7	57.2	57.9	58.5	59.2	60
100	62.5	62.5	58.7	56.6	55.5	55.1	55.3	55.7	56.2	56.8	57.4	58	58.7	59.5
110	62.1	62.1	58.3	56.2	55.1	54.7	54.9	55.2	55.8	56.3	56.9	57.6	58.2	58.9
120	61.7	61.7	57.9	55.8	54.7	54.3	54.4	54.8	55.3	55.9	56.4	57.1	57.7	58.4
130	61.3	61.3	57.5	55.4	54.3	53.9	54	54.4	54.9	55.4	56	56.6	57.2	57.9
140	61	61	57.2	55	53.9	53.5	53.6	54	54.5	55	55.5	56.1	56.7	57.4
150	60.6	60.6	56.8	54.7	53.5	53.2	53.3	53.6	54.1	54.6	55.1	55.7	56.3	56.9
160	60.3	60.3	56.5	54.3	53.2	52.8	52.9	53.2	53.7	54.2	54.7	55.2	55.8	56.4
170	60	60	56.2	54	52.9	52.5	52.6	52.9	53.3	53.8	54.3	54.8	55.4	56
180	59.7	59.7	55.9	53.7	52.6	52.2	52.3	52.6	53	53.4	53.9	54.4	54.9	55.5
190	59.5	59.5	55.6	53.5	52.3	51.9	52	52.2	52.6	53.1	53.5	54	54.5	55.1
200	59.2	59.2	55.4	53.2	52	51.6	51.7	51.9	52.3	52.7	53.2	53.6	54.1	54.7
210	59	59	55.1	52.9	51.8	51.4	51.4	51.6	52	52.4	52.8	53.3	53.7	54.2
220	58.7	58.7	54.9	52.7	51.5	51.1	51.1	51.4	51.7	52.1	52.5	52.9	53.4	53.9
230	58.5	58.5	54.7	52.5	51.3	50.8	50.9	51.1	51.4	51.8	52.2	52.6	53	53.5
240	58.3	58.3	54.4	52.2	51	50.6	50.6	50.8	51.2	51.5	51.9	52.3	52.7	53.1
250	58.1	58.1	54.2	52	50.8	50.4	50.4	50.6	50.9	51.2	51.6	52	52.3	52.8
260	57.9	57.9	54	51.8	50.6	50.2	50.2	50.4	50.7	51	51.3	51.7	52	52.4
270	57.7	57.7	53.8	51.6	50.4	50	49.9	50.1	50.4	50.7	51.1	51.4	51.7	52.1
280	57.5	57.5	53.6	51.4	50.2	49.7	49.7	49.9	50.2	50.5	50.8	51.1	51.4	51.8
290	57.3	57.3	53.5	51.2	50	49.6	49.5	49.7	50	50.3	50.6	50.9	51.2	51.5
300	57.1	57.1	53.3	51	49.8	49.4	49.3	49.5	49.8	50	50.3	50.6	50.9	51.2

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	64.1	64.1	60.3	58.2	57.2	56.9	57	57.5	58	58.6	59.2	59.8	60.4	61.1
50	63.8	63.8	60.1	57.9	56.9	56.6	56.7	57.1	57.6	58.2	58.8	59.4	60.1	60.8
60	63.2	63.2	59.5	57.3	56.2	55.9	56.1	56.5	57	57.6	58.3	58.9	59.6	60.3
70	62.8	62.8	59	56.9	55.8	55.5	55.6	56	56.5	57.1	57.7	58.4	59.1	59.8
80	62.4	62.4	58.6	56.5	55.4	55	55.2	55.5	56.1	56.6	57.2	57.9	58.6	59.3
90	62	62	58.2	56	54.9	54.6	54.7	55.1	55.6	56.2	56.8	57.4	58.1	58.8
100	61.6	61.6	57.8	55.6	54.5	54.2	54.3	54.7	55.2	55.7	56.3	56.9	57.6	58.3
110	61.2	61.2	57.4	55.2	54.1	53.8	53.9	54.2	54.7	55.3	55.8	56.5	57.1	57.8
120	60.8	60.8	57	54.8	53.7	53.4	53.5	53.8	54.3	54.8	55.4	56	56.6	57.3
130	60.4	60.4	56.6	54.5	53.4	53	53.1	53.4	53.9	54.4	55	55.5	56.2	56.8
140	60.1	60.1	56.3	54.1	53	52.6	52.7	53.1	53.5	54	54.5	55.1	55.7	56.4
150	59.8	59.8	56	53.8	52.7	52.3	52.4	52.7	53.1	53.6	54.1	54.7	55.3	55.9
160	59.5	59.5	55.7	53.5	52.3	51.9	52	52.3	52.7	53.2	53.7	54.3	54.8	55.4
170	59.2	59.2	55.4	53.2	52	51.6	51.7	52	52.4	52.8	53.3	53.8	54.4	55
180	58.9	58.9	55.1	52.9	51.7	51.3	51.4	51.7	52.1	52.5	53	53.5	54	54.6
190	58.6	58.6	54.8	52.6	51.4	51	51.1	51.4	51.7	52.2	52.6	53.1	53.6	54.1
200	58.4	58.4	54.5	52.3	51.2	50.8	50.8	51.1	51.4	51.8	52.3	52.7	53.2	53.7
210	58.1	58.1	54.3	52.1	50.9	50.5	50.5	50.8	51.1	51.5	51.9	52.4	52.8	53.3
220	57.9	57.9	54.1	51.9	50.7	50.2	50.3	50.5	50.8	51.2	51.6	52	52.5	53
230	57.7	57.7	53.8	51.6	50.4	50	50	50.3	50.6	50.9	51.3	51.7	52.1	52.6
240	57.5	57.5	53.6	51.4	50.2	49.8	49.8	50	50.3	50.7	51	51.4	51.8	52.2
250	57.3	57.3	53.4	51.2	50	49.5	49.5	49.8	50.1	50.4	50.7	51.1	51.5	51.9
260	57.1	57.1	53.2	51	49.8	49.3	49.3	49.5	49.8	50.1	50.5	50.8	51.2	51.6
270	56.9	56.9	53	50.8	49.6	49.1	49.1	49.3	49.6	49.9	50.2	50.5	50.9	51.3
280	56.7	56.7	52.8	50.6	49.4	48.9	48.9	49.1	49.4	49.7	50	50.3	50.6	51
290	56.5	56.5	52.7	50.4	49.2	48.7	48.7	48.9	49.2	49.4	49.7	50	50.3	50.7
300	56.3	56.3	52.5	50.2	49	48.6	48.5	48.7	48.9	49.2	49.5	49.8	50.1	50.4

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	62.9	62.9	59.2	57.1	56	55.7	55.9	56.2	56.8	57.3	57.9	58.5	59.1	59.7
50	63	63	59.2	57.1	56	55.7	55.8	56.2	56.7	57.2	57.8	58.4	59	59.7
60	62.4	62.4	58.7	56.5	55.4	55.1	55.2	55.6	56.1	56.7	57.3	57.9	58.6	59.3
70	62	62	58.2	56	54.9	54.6	54.7	55.1	55.6	56.2	56.7	57.4	58	58.7
80	61.5	61.5	57.7	55.6	54.5	54.1	54.2	54.6	55.1	55.6	56.2	56.8	57.5	58.2
90	61.1	61.1	57.3	55.2	54	53.7	53.8	54.1	54.6	55.1	55.7	56.3	56.9	57.6
100	60.7	60.7	56.9	54.7	53.6	53.3	53.4	53.7	54.2	54.7	55.2	55.8	56.5	57.1
110	60.3	60.3	56.5	54.4	53.2	52.9	53	53.3	53.7	54.2	54.8	55.4	56	56.7
120	60	60	56.1	54	52.8	52.5	52.6	52.9	53.3	53.8	54.4	54.9	55.5	56.2
130	59.6	59.6	55.8	53.6	52.5	52.1	52.2	52.5	52.9	53.4	53.9	54.5	55.1	55.7
140	59.3	59.3	55.5	53.3	52.1	51.7	51.8	52.1	52.6	53	53.5	54.1	54.7	55.3
150	58.9	58.9	55.1	52.9	51.8	51.4	51.5	51.8	52.2	52.6	53.1	53.7	54.2	54.8
160	58.6	58.6	54.8	52.6	51.5	51.1	51.1	51.4	51.8	52.3	52.8	53.3	53.8	54.4
170	58.3	58.3	54.5	52.3	51.2	50.8	50.8	51.1	51.5	51.9	52.4	52.9	53.4	54
180	58.1	58.1	54.2	52.1	50.9	50.5	50.5	50.8	51.2	51.6	52	52.5	53	53.6
190	57.8	57.8	54	51.8	50.6	50.2	50.2	50.5	50.9	51.3	51.7	52.2	52.6	53.2
200	57.6	57.6	53.7	51.5	50.4	49.9	50	50.2	50.6	50.9	51.4	51.8	52.3	52.8
210	57.3	57.3	53.5	51.3	50.1	49.7	49.7	49.9	50.3	50.7	51	51.5	51.9	52.4
220	57.1	57.1	53.3	51	49.9	49.4	49.4	49.7	50	50.4	50.7	51.1	51.6	52.1
230	56.9	56.9	53	50.8	49.6	49.2	49.2	49.4	49.7	50.1	50.4	50.8	51.3	51.7
240	56.7	56.7	52.8	50.6	49.4	49	49	49.2	49.5	49.8	50.2	50.5	50.9	51.4
250	56.5	56.5	52.6	50.4	49.2	48.7	48.7	48.9	49.2	49.6	49.9	50.2	50.6	51
260	56.3	56.3	52.4	50.2	49	48.5	48.5	48.7	49	49.3	49.6	50	50.3	50.7
270	56.1	56.1	52.2	50	48.8	48.3	48.3	48.5	48.8	49.1	49.4	49.7	50	50.4
280	55.9	55.9	52	49.8	48.6	48.1	48.1	48.3	48.6	48.8	49.1	49.4	49.8	50.1
290	55.7	55.7	51.9	49.6	48.4	47.9	47.9	48.1	48.3	48.6	48.9	49.2	49.5	49.8
300	55.5	55.5	51.7	49.5	48.2	47.8	47.7	47.9	48.1	48.4	48.7	49	49.3	49.6

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	62.1	62.1	58.3	56.2	55.1	54.8	55	55.4	55.9	56.4	57	57.6	58.2	58.8
50	62.2	62.2	58.5	56.3	55.2	54.9	55	55.4	55.9	56.4	57	57.6	58.2	58.9
60	61.7	61.7	57.9	55.8	54.7	54.4	54.5	54.9	55.4	56	56.6	57.2	57.8	58.5
70	61.2	61.2	57.4	55.3	54.2	53.9	54	54.4	54.9	55.4	56	56.6	57.3	58
80	60.8	60.8	57	54.8	53.7	53.4	53.5	53.9	54.3	54.9	55.4	56.1	56.7	57.4
90	60.3	60.3	56.5	54.4	53.3	52.9	53	53.4	53.8	54.4	54.9	55.5	56.1	56.8
100	59.9	59.9	56.1	54	52.8	52.5	52.6	52.9	53.4	53.9	54.5	55	55.7	56.3
110	59.6	59.6	55.8	53.6	52.5	52.1	52.2	52.5	53	53.5	54	54.6	55.2	55.9
120	59.2	59.2	55.4	53.2	52.1	51.7	51.8	52.1	52.6	53.1	53.6	54.2	54.8	55.4
130	58.8	58.8	55	52.9	51.7	51.3	51.4	51.7	52.2	52.7	53.2	53.8	54.4	55
140	58.5	58.5	54.7	52.5	51.4	51	51.1	51.4	51.8	52.3	52.8	53.3	53.9	54.6
150	58.2	58.2	54.4	52.2	51	50.6	50.7	51	51.4	51.9	52.4	52.9	53.5	54.1
160	57.9	57.9	54.1	51.9	50.7	50.3	50.4	50.7	51.1	51.5	52	52.6	53.1	53.7
170	57.6	57.6	53.8	51.6	50.4	50	50.1	50.4	50.8	51.2	51.7	52.2	52.7	53.3
180	57.3	57.3	53.5	51.3	50.1	49.7	49.8	50.1	50.4	50.9	51.3	51.8	52.4	52.9
190	57.1	57.1	53.2	51	49.9	49.5	49.5	49.8	50.1	50.6	51	51.5	52	52.5
200	56.8	56.8	53	50.8	49.6	49.2	49.2	49.5	49.8	50.2	50.7	51.1	51.6	52.2
210	56.6	56.6	52.7	50.5	49.4	48.9	49	49.2	49.6	49.9	50.4	50.8	51.3	51.8
220	56.4	56.4	52.5	50.3	49.1	48.7	48.7	48.9	49.3	49.7	50.1	50.5	50.9	51.4
230	56.1	56.1	52.3	50.1	48.9	48.5	48.5	48.7	49	49.4	49.8	50.2	50.6	51.1
240	55.9	55.9	52.1	49.9	48.7	48.2	48.2	48.5	48.8	49.1	49.5	49.9	50.3	50.7
250	55.7	55.7	51.9	49.7	48.5	48	48	48.2	48.5	48.9	49.2	49.6	50	50.4
260	55.5	55.5	51.7	49.4	48.3	47.8	47.8	48	48.3	48.6	49	49.3	49.7	50.1
270	55.3	55.3	51.5	49.3	48.1	47.6	47.6	47.8	48.1	48.4	48.7	49	49.4	49.8
280	55.2	55.2	51.3	49.1	47.9	47.4	47.4	47.6	47.8	48.2	48.5	48.8	49.1	49.5
290	55	55	51.1	48.9	47.7	47.2	47.2	47.4	47.6	47.9	48.2	48.5	48.9	49.2
300	54.8	54.8	51	48.7	47.5	47	47	47.2	47.4	47.7	48	48.3	48.6	49

* 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	82	82	78.7	77.1	76.6	76.9	77.7	78.7	79.8	80.9	82	83.1	84.1	85.2
20	77.8	77.8	74.5	72.9	72.3	72.6	73.3	74.3	75.3	76.5	77.6	78.6	79.7	80.7
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	61.3	61.3	57.5	55.4	54.4	54.1	54.3	54.7	55.2	55.8	56.4	57	57.6	58.3
50	61.5	61.5	57.8	55.6	54.5	54.2	54.3	54.7	55.2	55.7	56.3	56.8	57.4	58
60	61.1	61.1	57.3	55.2	54.1	53.7	53.9	54.2	54.7	55.2	55.8	56.4	57	57.6
70	60.5	60.5	56.7	54.6	53.5	53.2	53.3	53.6	54.1	54.7	55.2	55.8	56.4	57.1
80	60.1	60.1	56.3	54.1	53	52.6	52.7	53.1	53.6	54.1	54.6	55.2	55.9	56.5
90	59.6	59.6	55.8	53.7	52.5	52.2	52.3	52.6	53.1	53.6	54.1	54.7	55.3	56
100	59.2	59.2	55.4	53.2	52.1	51.7	51.8	52.2	52.6	53.1	53.6	54.2	54.8	55.5
110	58.8	58.8	55	52.9	51.7	51.3	51.4	51.7	52.2	52.7	53.2	53.8	54.3	55
120	58.5	58.5	54.7	52.5	51.4	51	51	51.4	51.8	52.3	52.8	53.3	53.9	54.5
130	58.1	58.1	54.3	52.1	51	50.6	50.7	51	51.4	51.9	52.4	52.9	53.5	54.1
140	57.8	57.8	54	51.8	50.7	50.3	50.3	50.6	51	51.5	52	52.5	53.1	53.7
150	57.5	57.5	53.7	51.5	50.3	49.9	50	50.3	50.7	51.1	51.6	52.1	52.7	53.3
160	57.2	57.2	53.4	51.2	50	49.6	49.7	50	50.3	50.8	51.3	51.8	52.3	52.9
170	56.9	56.9	53.1	50.9	49.7	49.3	49.4	49.6	50	50.4	50.9	51.4	51.9	52.5
180	56.6	56.6	52.8	50.6	49.4	49	49.1	49.3	49.7	50.1	50.6	51.1	51.6	52.1
190	56.4	56.4	52.5	50.3	49.2	48.8	48.8	49.1	49.4	49.8	50.3	50.7	51.2	51.8
200	56.1	56.1	52.3	50.1	48.9	48.5	48.5	48.8	49.1	49.5	50	50.4	50.9	51.4
210	55.9	55.9	52.1	49.9	48.7	48.2	48.3	48.5	48.9	49.2	49.7	50.1	50.6	51.1
220	55.7	55.7	51.8	49.6	48.4	48	48	48.3	48.6	49	49.4	49.8	50.2	50.7
230	55.5	55.5	51.6	49.4	48.2	47.8	47.8	48	48.3	48.7	49.1	49.5	49.9	50.4
240	55.2	55.2	51.4	49.2	48	47.5	47.5	47.8	48.1	48.4	48.8	49.2	49.6	50.1
250	55	55	51.2	49	47.8	47.3	47.3	47.5	47.8	48.2	48.5	48.9	49.3	49.8
260	54.8	54.8	51	48.8	47.6	47.1	47.1	47.3	47.6	47.9	48.3	48.6	49	49.5
270	54.6	54.6	50.8	48.6	47.4	46.9	46.9	47.1	47.4	47.7	48	48.4	48.8	49.2
280	54.5	54.5	50.6	48.4	47.2	46.7	46.7	46.9	47.2	47.5	47.8	48.1	48.5	48.9
290	54.3	54.3	50.4	48.2	47	46.5	46.5	46.7	47	47.3	47.6	47.9	48.2	48.6
300	54.1	54.1	50.3	48	46.8	46.3	46.3	46.5	46.8	47.1	47.3	47.7	48	48.3

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	63.8	63.8	61.5	61	61.2	61.6	62	62.5	63	63.5	64	64.4	64.9	65.3
50	63.9	63.9	61.5	61	61.1	61.4	61.8	62.3	62.7	63.1	63.5	63.9	64.3	64.7
60	63.7	63.7	61.4	60.8	60.9	61.3	61.7	62.1	62.5	62.9	63.3	63.7	64	64.4
70	63.4	63.4	61	60.5	60.6	60.9	61.3	61.8	62.2	62.6	63	63.3	63.7	64.1
80	63	63	60.6	60.1	60.2	60.6	61	61.4	61.8	62.2	62.6	63	63.4	63.7
90	62.6	62.6	60.3	59.7	59.8	60.2	60.6	61.1	61.5	61.9	62.3	62.7	63.1	63.4
100	62.2	62.2	59.9	59.3	59.5	59.8	60.2	60.7	61.1	61.6	62	62.4	62.7	63.1
110	61.8	61.8	59.5	59	59.1	59.5	59.9	60.3	60.8	61.2	61.6	62	62.4	62.8
120	61.5	61.5	59.1	58.6	58.7	59.1	59.6	60	60.5	60.9	61.3	61.7	62.1	62.5
130	61.1	61.1	58.8	58.3	58.4	58.8	59.2	59.7	60.1	60.6	61	61.4	61.8	62.2
140	60.8	60.8	58.5	57.9	58.1	58.5	58.9	59.4	59.8	60.2	60.6	61.1	61.5	61.8
150	60.5	60.5	58.2	57.6	57.8	58.1	58.6	59	59.5	59.9	60.3	60.7	61.1	61.5
160	60.2	60.2	57.9	57.3	57.5	57.8	58.3	58.7	59.2	59.6	60	60.4	60.8	61.2
170	59.9	59.9	57.6	57.1	57.2	57.6	58	58.5	58.9	59.3	59.8	60.2	60.6	60.9
180	59.6	59.6	57.3	56.8	56.9	57.3	57.7	58.2	58.6	59.1	59.5	59.9	60.3	60.7
190	59.4	59.4	57.1	56.5	56.7	57	57.5	57.9	58.4	58.8	59.2	59.6	60	60.4
200	59.1	59.1	56.8	56.3	56.4	56.8	57.2	57.7	58.1	58.5	58.9	59.3	59.7	60.1
210	58.9	58.9	56.6	56	56.2	56.5	57	57.4	57.9	58.3	58.7	59.1	59.5	59.9
220	58.6	58.6	56.3	55.8	55.9	56.3	56.7	57.2	57.6	58	58.4	58.8	59.2	59.6
230	58.4	58.4	56.1	55.6	55.7	56.1	56.5	56.9	57.4	57.8	58.2	58.6	59	59.4
240	58.2	58.2	55.9	55.4	55.5	55.8	56.3	56.7	57.1	57.6	58	58.4	58.8	59.1
250	58	58	55.7	55.1	55.3	55.6	56	56.5	56.9	57.3	57.7	58.1	58.5	58.9
260	57.8	57.8	55.5	54.9	55	55.4	55.8	56.3	56.7	57.1	57.5	57.9	58.3	58.7
270	57.6	57.6	55.3	54.7	54.8	55.2	55.6	56.1	56.5	56.9	57.3	57.7	58.1	58.5
280	57.4	57.4	55.1	54.5	54.6	55	55.4	55.9	56.3	56.7	57.1	57.5	57.9	58.2
290	57.2	57.2	54.9	54.3	54.5	54.8	55.2	55.7	56.1	56.5	56.9	57.3	57.7	58
300	57	57	54.7	54.2	54.3	54.6	55	55.5	55.9	56.3	56.7	57.1	57.5	57.8

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	61.7	61.7	59.3	58.7	58.8	59.1	59.5	59.9	60.3	60.6	61	61.4	61.8	62.2
50	61.7	61.7	59.3	58.7	58.7	59	59.4	59.8	60.2	60.5	60.9	61.3	61.6	62
60	61.7	61.7	59.3	58.7	58.7	59	59.4	59.7	60.1	60.5	60.8	61.2	61.5	61.8
70	61.4	61.4	59	58.4	58.4	58.7	59.1	59.4	59.8	60.1	60.4	60.8	61.1	61.4
80	61.1	61.1	58.7	58.1	58.1	58.4	58.7	59.1	59.4	59.8	60.1	60.4	60.7	61
90	60.7	60.7	58.3	57.7	57.8	58.1	58.4	58.8	59.1	59.5	59.8	60.1	60.4	60.7
100	60.4	60.4	58	57.4	57.4	57.7	58.1	58.5	58.8	59.2	59.5	59.8	60.1	60.4
110	60	60	57.7	57.1	57.1	57.4	57.8	58.1	58.5	58.8	59.2	59.5	59.8	60.1
120	59.7	59.7	57.3	56.7	56.8	57.1	57.4	57.8	58.2	58.5	58.9	59.2	59.5	59.9
130	59.4	59.4	57	56.4	56.5	56.8	57.1	57.5	57.9	58.2	58.6	58.9	59.3	59.6
140	59.1	59.1	56.7	56.1	56.2	56.5	56.8	57.2	57.6	58	58.3	58.6	59	59.3
150	58.8	58.8	56.4	55.8	55.9	56.2	56.5	56.9	57.3	57.7	58	58.4	58.7	59
160	58.5	58.5	56.1	55.5	55.6	55.9	56.3	56.7	57	57.4	57.7	58.1	58.4	58.8
170	58.2	58.2	55.9	55.3	55.3	55.6	56	56.4	56.8	57.1	57.5	57.8	58.2	58.5
180	58	58	55.6	55	55.1	55.4	55.7	56.1	56.5	56.9	57.2	57.6	57.9	58.2
190	57.7	57.7	55.3	54.7	54.8	55.1	55.5	55.9	56.2	56.6	57	57.3	57.6	58
200	57.5	57.5	55.1	54.5	54.6	54.9	55.2	55.6	56	56.4	56.7	57.1	57.4	57.7
210	57.2	57.2	54.9	54.3	54.3	54.6	55	55.4	55.8	56.1	56.5	56.8	57.2	57.5
220	57	57	54.6	54	54.1	54.4	54.8	55.2	55.5	55.9	56.2	56.6	56.9	57.3
230	56.8	56.8	54.4	53.8	53.9	54.2	54.5	54.9	55.3	55.7	56	56.4	56.7	57
240	56.6	56.6	54.2	53.6	53.7	54	54.3	54.7	55.1	55.4	55.8	56.1	56.5	56.8
250	56.4	56.4	54	53.4	53.5	53.7	54.1	54.5	54.9	55.2	55.6	55.9	56.2	56.6
260	56.2	56.2	53.8	53.2	53.3	53.5	53.9	54.3	54.7	55	55.4	55.7	56	56.4
270	56	56	53.6	53	53.1	53.4	53.7	54.1	54.5	54.8	55.2	55.5	55.8	56.1
280	55.8	55.8	53.4	52.8	52.9	53.2	53.5	53.9	54.3	54.6	54.9	55.3	55.6	55.9
290	55.6	55.6	53.2	52.6	52.7	53	53.3	53.7	54.1	54.4	54.8	55.1	55.4	55.7
300	55.4	55.4	53.1	52.5	52.5	52.8	53.1	53.5	53.9	54.2	54.6	54.9	55.2	55.5

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	60.1	60.1	57.7	57.1	57.1	57.4	57.7	58.1	58.4	58.8	59.1	59.4	59.8	60.1
50	60.1	60.1	57.7	57.1	57.1	57.4	57.7	58.1	58.4	58.8	59.1	59.4	59.8	60.1
60	60.1	60.1	57.7	57.1	57.1	57.3	57.7	58	58.4	58.7	59	59.4	59.7	60
70	59.8	59.8	57.4	56.8	56.8	57	57.3	57.7	58	58.3	58.6	58.9	59.2	59.5
80	59.5	59.5	57.1	56.5	56.5	56.7	57	57.3	57.6	57.9	58.2	58.5	58.7	59
90	59.2	59.2	56.8	56.1	56.1	56.4	56.7	57	57.3	57.6	57.9	58.1	58.4	58.7
100	58.9	58.9	56.5	55.8	55.8	56.1	56.4	56.7	57	57.3	57.6	57.9	58.1	58.4
110	58.6	58.6	56.2	55.5	55.5	55.8	56.1	56.4	56.7	57	57.3	57.6	57.9	58.1
120	58.2	58.2	55.8	55.2	55.2	55.5	55.8	56.1	56.4	56.8	57	57.3	57.6	57.9
130	57.9	57.9	55.5	54.9	54.9	55.2	55.5	55.8	56.2	56.5	56.8	57.1	57.3	57.6
140	57.6	57.6	55.2	54.6	54.6	54.9	55.2	55.6	55.9	56.2	56.5	56.8	57.1	57.4
150	57.4	57.4	55	54.3	54.4	54.6	54.9	55.3	55.6	55.9	56.3	56.6	56.8	57.1
160	57.1	57.1	54.7	54.1	54.1	54.3	54.7	55	55.4	55.7	56	56.3	56.6	56.9
170	56.8	56.8	54.4	53.8	53.8	54.1	54.4	54.8	55.1	55.4	55.8	56.1	56.4	56.7
180	56.6	56.6	54.2	53.5	53.6	53.8	54.2	54.5	54.9	55.2	55.5	55.8	56.1	56.4
190	56.3	56.3	53.9	53.3	53.3	53.6	53.9	54.3	54.6	55	55.3	55.6	55.9	56.2
200	56.1	56.1	53.7	53.1	53.1	53.4	53.7	54.1	54.4	54.7	55	55.3	55.7	56
210	55.9	55.9	53.5	52.8	52.9	53.1	53.5	53.8	54.2	54.5	54.8	55.1	55.4	55.7
220	55.7	55.7	53.3	52.6	52.7	52.9	53.3	53.6	53.9	54.3	54.6	54.9	55.2	55.5
230	55.4	55.4	53.1	52.4	52.4	52.7	53	53.4	53.7	54.1	54.4	54.7	55	55.3
240	55.2	55.2	52.8	52.2	52.2	52.5	52.8	53.2	53.5	53.8	54.2	54.5	54.8	55.1
250	55	55	52.6	52	52	52.3	52.6	53	53.3	53.6	53.9	54.3	54.6	54.9
260	54.9	54.9	52.5	51.8	51.8	52.1	52.4	52.8	53.1	53.4	53.7	54	54.4	54.7
270	54.7	54.7	52.3	51.6	51.6	51.9	52.2	52.6	52.9	53.2	53.5	53.9	54.2	54.5
280	54.5	54.5	52.1	51.4	51.5	51.7	52	52.4	52.7	53	53.4	53.7	54	54.3
290	54.3	54.3	51.9	51.3	51.3	51.5	51.9	52.2	52.5	52.9	53.2	53.5	53.8	54.1
300	54.1	54.1	51.7	51.1	51.1	51.4	51.7	52	52.4	52.7	53	53.3	53.6	53.9

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	58.9	58.9	56.4	55.8	55.8	56	56.3	56.6	57	57.3	57.6	57.9	58.2	58.5
50	58.9	58.9	56.5	55.9	55.9	56.1	56.4	56.8	57.1	57.4	57.7	58	58.3	58.7
60	58.9	58.9	56.5	55.8	55.8	56.1	56.4	56.8	57.1	57.4	57.8	58.1	58.4	58.7
70	58.6	58.6	56.1	55.4	55.4	55.7	56	56.3	56.6	56.9	57.1	57.4	57.7	58
80	58.2	58.2	55.8	55.1	55.1	55.3	55.6	55.9	56.1	56.4	56.7	56.9	57.1	57.4
90	57.9	57.9	55.5	54.8	54.8	55	55.3	55.5	55.8	56.1	56.3	56.6	56.8	57
100	57.6	57.6	55.2	54.5	54.5	54.7	55	55.3	55.6	55.8	56.1	56.3	56.5	56.8
110	57.3	57.3	54.9	54.2	54.2	54.4	54.7	55	55.3	55.6	55.8	56.1	56.3	56.5
120	57	57	54.6	53.9	53.9	54.2	54.4	54.7	55	55.3	55.6	55.8	56.1	56.3
130	56.8	56.8	54.3	53.7	53.7	53.9	54.2	54.5	54.8	55.1	55.3	55.6	55.8	56.1
140	56.5	56.5	54.1	53.4	53.4	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.6	55.9
150	56.2	56.2	53.8	53.1	53.1	53.4	53.7	54	54.3	54.6	54.9	55.1	55.4	55.6
160	55.9	55.9	53.5	52.9	52.9	53.1	53.4	53.7	54	54.3	54.6	54.9	55.2	55.4
170	55.7	55.7	53.3	52.6	52.6	52.9	53.2	53.5	53.8	54.1	54.4	54.7	54.9	55.2
180	55.5	55.5	53	52.4	52.4	52.6	52.9	53.3	53.6	53.9	54.2	54.4	54.7	55
190	55.2	55.2	52.8	52.1	52.2	52.4	52.7	53	53.4	53.7	53.9	54.2	54.5	54.8
200	55	55	52.6	51.9	51.9	52.2	52.5	52.8	53.1	53.4	53.7	54	54.3	54.6
210	54.8	54.8	52.4	51.7	51.7	52	52.3	52.6	52.9	53.2	53.5	53.8	54.1	54.4
220	54.6	54.6	52.1	51.5	51.5	51.7	52.1	52.4	52.7	53	53.3	53.6	53.9	54.2
230	54.3	54.3	51.9	51.3	51.3	51.5	51.9	52.2	52.5	52.8	53.1	53.4	53.7	53.9
240	54.1	54.1	51.7	51.1	51.1	51.3	51.6	52	52.3	52.6	52.9	53.2	53.5	53.7
250	54	54	51.5	50.9	50.9	51.1	51.4	51.8	52.1	52.4	52.7	53	53.3	53.5
260	53.8	53.8	51.3	50.7	50.7	50.9	51.3	51.6	51.9	52.2	52.5	52.8	53.1	53.3
270	53.6	53.6	51.2	50.5	50.5	50.8	51.1	51.4	51.7	52	52.3	52.6	52.9	53.1
280	53.4	53.4	51	50.3	50.3	50.6	50.9	51.2	51.5	51.8	52.1	52.4	52.7	53
290	53.2	53.2	50.8	50.1	50.2	50.4	50.7	51	51.3	51.6	51.9	52.2	52.5	52.8
300	53.1	53.1	50.6	50	50	50.2	50.5	50.9	51.2	51.5	51.8	52	52.3	52.6

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	57.8	57.8	55.4	54.7	54.7	54.9	55.2	55.5	55.8	56.2	56.4	56.7	57	57.3
50	57.9	57.9	55.5	54.8	54.8	55	55.3	55.7	56	56.3	56.5	56.8	57.1	57.4
60	57.9	57.9	55.5	54.8	54.8	55.1	55.4	55.8	56.1	56.4	56.8	57.1	57.4	57.7
70	57.5	57.5	55.1	54.4	54.4	54.6	54.9	55.2	55.5	55.8	56	56.3	56.6	56.9
80	57.2	57.2	54.7	54	54	54.2	54.4	54.7	55	55.2	55.5	55.7	55.9	56.2
90	56.9	56.9	54.4	53.7	53.6	53.8	54.1	54.4	54.6	54.8	55.1	55.3	55.5	55.7
100	56.6	56.6	54.1	53.4	53.4	53.5	53.8	54.1	54.3	54.6	54.8	55	55.2	55.4
110	56.3	56.3	53.8	53.1	53.1	53.3	53.6	53.8	54.1	54.3	54.5	54.8	55	55.2
120	56	56	53.6	52.9	52.8	53	53.3	53.6	53.8	54.1	54.3	54.5	54.7	55
130	55.7	55.7	53.3	52.6	52.6	52.8	53.1	53.3	53.6	53.9	54.1	54.3	54.5	54.8
140	55.5	55.5	53	52.3	52.3	52.5	52.8	53.1	53.4	53.6	53.9	54.1	54.3	54.6
150	55.2	55.2	52.8	52.1	52.1	52.3	52.6	52.9	53.1	53.4	53.7	53.9	54.1	54.4
160	55	55	52.5	51.8	51.8	52.1	52.3	52.6	52.9	53.2	53.4	53.7	53.9	54.2
170	54.7	54.7	52.3	51.6	51.6	51.8	52.1	52.4	52.7	53	53.2	53.5	53.7	54
180	54.5	54.5	52	51.4	51.4	51.6	51.9	52.2	52.5	52.7	53	53.3	53.5	53.8
190	54.3	54.3	51.8	51.2	51.1	51.4	51.7	52	52.3	52.5	52.8	53.1	53.3	53.6
200	54	54	51.6	50.9	50.9	51.2	51.5	51.8	52.1	52.3	52.6	52.9	53.1	53.4
210	53.8	53.8	51.4	50.7	50.7	50.9	51.2	51.5	51.8	52.1	52.4	52.7	52.9	53.2
220	53.6	53.6	51.2	50.5	50.5	50.7	51	51.3	51.6	51.9	52.2	52.5	52.7	53
230	53.4	53.4	51	50.3	50.3	50.5	50.8	51.1	51.4	51.7	52	52.3	52.5	52.8
240	53.2	53.2	50.8	50.1	50.1	50.3	50.6	51	51.2	51.5	51.8	52.1	52.3	52.6
250	53	53	50.6	49.9	49.9	50.1	50.4	50.8	51.1	51.3	51.6	51.9	52.1	52.4
260	52.8	52.8	50.4	49.7	49.7	50	50.3	50.6	50.9	51.2	51.4	51.7	52	52.2
270	52.7	52.7	50.2	49.6	49.5	49.8	50.1	50.4	50.7	51	51.2	51.5	51.8	52
280	52.5	52.5	50	49.4	49.4	49.6	49.9	50.2	50.5	50.8	51.1	51.3	51.6	51.8
290	52.3	52.3	49.9	49.2	49.2	49.4	49.7	50	50.3	50.6	50.9	51.1	51.4	51.7
300	52.1	52.1	49.7	49	49	49.3	49.6	49.9	50.2	50.4	50.7	51	51.2	51.5

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	56.8	56.8	54.4	53.7	53.7	53.9	54.3	54.6	54.9	55.2	55.5	55.8	56.1	56.4
50	57.1	57.1	54.7	54	53.9	54.2	54.4	54.7	55	55.3	55.6	55.8	56.1	56.3
60	57.1	57.1	54.6	54	54	54.2	54.5	54.9	55.2	55.5	55.8	56.1	56.4	56.8
70	56.6	56.6	54.2	53.5	53.5	53.7	54	54.2	54.5	54.8	55.1	55.3	55.6	55.9
80	56.3	56.3	53.8	53.1	53	53.2	53.5	53.7	54	54.2	54.5	54.7	54.9	55.2
90	55.9	55.9	53.5	52.7	52.7	52.9	53.1	53.4	53.6	53.8	54.1	54.3	54.5	54.7
100	55.6	55.6	53.2	52.5	52.4	52.6	52.8	53.1	53.3	53.5	53.7	53.9	54.1	54.3
110	55.4	55.4	52.9	52.2	52.1	52.3	52.6	52.8	53	53.3	53.5	53.7	53.8	54
120	55.1	55.1	52.6	51.9	51.9	52.1	52.3	52.6	52.8	53	53.2	53.4	53.6	53.8
130	54.8	54.8	52.4	51.7	51.6	51.8	52.1	52.3	52.6	52.8	53	53.2	53.4	53.6
140	54.6	54.6	52.1	51.4	51.4	51.6	51.8	52.1	52.3	52.6	52.8	53	53.2	53.4
150	54.3	54.3	51.9	51.2	51.1	51.3	51.6	51.9	52.1	52.4	52.6	52.8	53	53.2
160	54.1	54.1	51.6	50.9	50.9	51.1	51.4	51.6	51.9	52.1	52.4	52.6	52.8	53
170	53.9	53.9	51.4	50.7	50.7	50.9	51.2	51.4	51.7	51.9	52.2	52.4	52.6	52.8
180	53.6	53.6	51.2	50.5	50.5	50.7	50.9	51.2	51.5	51.7	52	52.2	52.4	52.6
190	53.4	53.4	51	50.3	50.2	50.5	50.7	51	51.3	51.5	51.8	52	52.2	52.4
200	53.2	53.2	50.7	50.1	50	50.2	50.5	50.8	51.1	51.3	51.6	51.8	52	52.2
210	53	53	50.5	49.9	49.8	50	50.3	50.6	50.9	51.1	51.4	51.6	51.8	52.1
220	52.8	52.8	50.3	49.6	49.6	49.8	50.1	50.4	50.7	50.9	51.2	51.4	51.6	51.9
230	52.6	52.6	50.1	49.5	49.4	49.6	49.9	50.2	50.5	50.7	51	51.2	51.5	51.7
240	52.4	52.4	49.9	49.3	49.2	49.4	49.7	50	50.3	50.6	50.8	51	51.3	51.5
250	52.2	52.2	49.8	49.1	49	49.3	49.5	49.8	50.1	50.4	50.6	50.9	51.1	51.3
260	52	52	49.6	48.9	48.9	49.1	49.4	49.6	49.9	50.2	50.4	50.7	50.9	51.1
270	51.8	51.8	49.4	48.7	48.7	48.9	49.2	49.5	49.7	50	50.3	50.5	50.7	51
280	51.7	51.7	49.2	48.5	48.5	48.7	49	49.3	49.6	49.8	50.1	50.3	50.6	50.8
290	51.5	51.5	49	48.4	48.3	48.5	48.8	49.1	49.4	49.7	49.9	50.1	50.4	50.6
300	51.3	51.3	48.9	48.2	48.2	48.4	48.7	49	49.2	49.5	49.7	50	50.2	50.4

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	55.9	55.9	53.5	52.8	52.8	53	53.3	53.6	53.9	54.2	54.5	54.8	55.1	55.3
50	56.3	56.3	53.9	53.2	53.1	53.3	53.6	53.9	54.1	54.4	54.7	54.9	55.1	55.4
60	56.3	56.3	53.9	53.2	53.2	53.4	53.7	54	54.3	54.6	54.9	55.2	55.5	55.7
70	55.8	55.8	53.4	52.7	52.6	52.8	53.1	53.4	53.7	53.9	54.2	54.4	54.7	54.9
80	55.4	55.4	53	52.2	52.2	52.4	52.6	52.8	53.1	53.3	53.5	53.8	54	54.2
90	55.1	55.1	52.6	51.9	51.8	52	52.2	52.5	52.7	52.9	53.1	53.3	53.5	53.7
100	54.8	54.8	52.3	51.6	51.6	51.7	51.9	52.2	52.4	52.6	52.8	53	53.2	53.4
110	54.6	54.6	52.1	51.4	51.3	51.4	51.7	51.9	52.1	52.3	52.5	52.7	52.9	53.1
120	54.3	54.3	51.8	51.1	51	51.2	51.4	51.7	51.9	52.1	52.3	52.5	52.6	52.8
130	54	54	51.6	50.9	50.8	51	51.2	51.4	51.7	51.9	52	52.2	52.4	52.6
140	53.8	53.8	51.3	50.6	50.5	50.7	51	51.2	51.4	51.6	51.8	52	52.2	52.3
150	53.6	53.6	51.1	50.4	50.3	50.5	50.7	51	51.2	51.4	51.6	51.8	52	52.1
160	53.3	53.3	50.8	50.1	50.1	50.3	50.5	50.8	51	51.2	51.4	51.6	51.8	51.9
170	53.1	53.1	50.6	49.9	49.9	50	50.3	50.5	50.8	51	51.2	51.4	51.6	51.7
180	52.9	52.9	50.4	49.7	49.6	49.8	50.1	50.3	50.6	50.8	51	51.2	51.4	51.6
190	52.6	52.6	50.2	49.5	49.4	49.6	49.9	50.1	50.4	50.6	50.8	51	51.2	51.4
200	52.4	52.4	50	49.3	49.2	49.4	49.7	49.9	50.2	50.4	50.6	50.8	51	51.2
210	52.2	52.2	49.8	49.1	49	49.2	49.5	49.7	50	50.2	50.4	50.6	50.8	51
220	52	52	49.6	48.9	48.8	49	49.3	49.5	49.8	50	50.2	50.4	50.6	50.8
230	51.8	51.8	49.4	48.7	48.6	48.8	49.1	49.3	49.6	49.8	50	50.2	50.4	50.6
240	51.6	51.6	49.2	48.5	48.4	48.6	48.9	49.2	49.4	49.6	49.9	50.1	50.3	50.5
250	51.4	51.4	49	48.3	48.2	48.4	48.7	49	49.2	49.5	49.7	49.9	50.1	50.3
260	51.3	51.3	48.8	48.1	48.1	48.3	48.5	48.8	49	49.3	49.5	49.7	49.9	50.1
270	51.1	51.1	48.6	47.9	47.9	48.1	48.3	48.6	48.9	49.1	49.3	49.5	49.7	49.9
280	50.9	50.9	48.5	47.8	47.7	47.9	48.2	48.4	48.7	48.9	49.2	49.4	49.6	49.8
290	50.7	50.7	48.3	47.6	47.5	47.7	48	48.3	48.5	48.8	49	49.2	49.4	49.6
300	50.6	50.6	48.1	47.4	47.4	47.6	47.8	48.1	48.4	48.6	48.8	49	49.2	49.4

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	55.1	55.1	52.6	52	51.9	52.2	52.4	52.7	53	53.3	53.6	53.9	54.1	54.4
50	55.7	55.7	53.2	52.5	52.4	52.6	52.9	53.1	53.4	53.6	53.9	54.1	54.3	54.5
60	55.6	55.6	53.2	52.5	52.5	52.7	53	53.3	53.6	53.9	54.1	54.4	54.7	54.9
70	55.1	55.1	52.7	52	51.9	52.1	52.4	52.6	52.9	53.1	53.4	53.6	53.8	54.1
80	54.7	54.7	52.2	51.5	51.4	51.6	51.8	52.1	52.3	52.5	52.7	53	53.2	53.4
90	54.4	54.4	51.9	51.2	51.1	51.2	51.5	51.7	51.9	52.1	52.3	52.5	52.7	52.9
100	54.1	54.1	51.6	50.9	50.8	50.9	51.2	51.4	51.6	51.8	52	52.2	52.3	52.5
110	53.8	53.8	51.3	50.6	50.5	50.7	50.9	51.1	51.3	51.5	51.7	51.9	52	52.2
120	53.6	53.6	51.1	50.4	50.3	50.4	50.6	50.9	51.1	51.3	51.4	51.6	51.8	51.9
130	53.3	53.3	50.8	50.1	50	50.2	50.4	50.6	50.8	51	51.2	51.4	51.5	51.7
140	53.1	53.1	50.6	49.9	49.8	50	50.2	50.4	50.6	50.8	51	51.1	51.3	51.4
150	52.8	52.8	50.4	49.6	49.6	49.7	49.9	50.2	50.4	50.6	50.8	50.9	51.1	51.2
160	52.6	52.6	50.1	49.4	49.3	49.5	49.7	50	50.2	50.4	50.5	50.7	50.9	51
170	52.4	52.4	49.9	49.2	49.1	49.3	49.5	49.7	50	50.2	50.3	50.5	50.7	50.8
180	52.2	52.2	49.7	49	48.9	49.1	49.3	49.5	49.8	50	50.1	50.3	50.5	50.6
190	51.9	51.9	49.5	48.8	48.7	48.9	49.1	49.3	49.6	49.8	49.9	50.1	50.3	50.4
200	51.7	51.7	49.3	48.5	48.5	48.7	48.9	49.1	49.4	49.6	49.8	49.9	50.1	50.3
210	51.5	51.5	49.1	48.3	48.3	48.5	48.7	48.9	49.2	49.4	49.6	49.7	49.9	50.1
220	51.3	51.3	48.9	48.1	48.1	48.3	48.5	48.7	49	49.2	49.4	49.6	49.7	49.9
230	51.1	51.1	48.7	48	47.9	48.1	48.3	48.6	48.8	49	49.2	49.4	49.5	49.7
240	50.9	50.9	48.5	47.8	47.7	47.9	48.1	48.4	48.6	48.8	49	49.2	49.4	49.5
250	50.8	50.8	48.3	47.6	47.5	47.7	47.9	48.2	48.4	48.6	48.8	49	49.2	49.4
260	50.6	50.6	48.1	47.4	47.4	47.5	47.8	48	48.2	48.5	48.7	48.8	49	49.2
270	50.4	50.4	47.9	47.2	47.2	47.4	47.6	47.8	48.1	48.3	48.5	48.7	48.9	49
280	50.2	50.2	47.8	47.1	47	47.2	47.4	47.7	47.9	48.1	48.3	48.5	48.7	48.9
290	50.1	50.1	47.6	46.9	46.8	47	47.3	47.5	47.7	48	48.1	48.3	48.5	48.7
300	49.9	49.9	47.4	46.7	46.7	46.9	47.1	47.3	47.6	47.8	48	48.2	48.4	48.5

* 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	76.1	76.1	74	73.7	74.1	74.7	75.4	76.1	76.8	77.4	78.1	78.7	79.3	79.8
20	73.5	73.5	71.4	71	71.4	71.9	72.6	73.3	73.9	74.5	75.1	75.7	76.2	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	54.4	54.4	52	51.3	51.3	51.5	51.8	52.1	52.4	52.7	53	53.2	53.5	53.8
50	55	55	52.6	51.8	51.8	52	52.2	52.5	52.7	52.9	53.1	53.4	53.6	53.8
60	55	55	52.5	51.9	51.8	52	52.3	52.6	52.9	53.1	53.4	53.6	53.9	54.1
70	54.5	54.5	52	51.3	51.3	51.4	51.7	52	52.2	52.4	52.7	52.9	53.1	53.3
80	54.1	54.1	51.6	50.9	50.8	50.9	51.2	51.4	51.6	51.9	52.1	52.3	52.5	52.7
90	53.7	53.7	51.2	50.5	50.4	50.6	50.8	51	51.2	51.4	51.6	51.8	52	52.2
100	53.4	53.4	50.9	50.2	50.1	50.3	50.5	50.7	50.9	51.1	51.3	51.5	51.6	51.8
110	53.2	53.2	50.7	49.9	49.8	50	50.2	50.4	50.6	50.8	51	51.1	51.3	51.5
120	52.9	52.9	50.4	49.7	49.6	49.7	49.9	50.2	50.4	50.5	50.7	50.9	51	51.2
130	52.7	52.7	50.2	49.4	49.3	49.5	49.7	49.9	50.1	50.3	50.4	50.6	50.7	50.9
140	52.4	52.4	49.9	49.2	49.1	49.3	49.5	49.7	49.9	50	50.2	50.3	50.5	50.6
150	52.2	52.2	49.7	49	48.9	49	49.2	49.4	49.6	49.8	50	50.1	50.3	50.4
160	52	52	49.5	48.7	48.7	48.8	49	49.2	49.4	49.6	49.8	49.9	50	50.2
170	51.7	51.7	49.2	48.5	48.4	48.6	48.8	49	49.2	49.4	49.6	49.7	49.8	50
180	51.5	51.5	49	48.3	48.2	48.4	48.6	48.8	49	49.2	49.4	49.5	49.6	49.8
190	51.3	51.3	48.8	48.1	48	48.2	48.4	48.6	48.8	49	49.2	49.3	49.5	49.6
200	51.1	51.1	48.6	47.9	47.8	48	48.2	48.4	48.6	48.8	49	49.1	49.3	49.4
210	50.9	50.9	48.4	47.7	47.6	47.8	48	48.2	48.4	48.6	48.8	48.9	49.1	49.2
220	50.7	50.7	48.2	47.5	47.4	47.6	47.8	48	48.3	48.4	48.6	48.8	48.9	49.1
230	50.5	50.5	48	47.3	47.2	47.4	47.6	47.9	48.1	48.3	48.4	48.6	48.7	48.9
240	50.3	50.3	47.9	47.1	47.1	47.2	47.4	47.7	47.9	48.1	48.3	48.4	48.6	48.7
250	50.1	50.1	47.7	46.9	46.9	47	47.3	47.5	47.7	47.9	48.1	48.3	48.4	48.6
260	50	50	47.5	46.8	46.7	46.9	47.1	47.3	47.5	47.7	47.9	48.1	48.2	48.4
270	49.8	49.8	47.3	46.6	46.5	46.7	46.9	47.2	47.4	47.6	47.8	47.9	48.1	48.2
280	49.6	49.6	47.2	46.4	46.4	46.5	46.8	47	47.2	47.4	47.6	47.8	47.9	48.1
290	49.5	49.5	47	46.3	46.2	46.4	46.6	46.8	47	47.2	47.4	47.6	47.8	47.9
300	49.3	49.3	46.8	46.1	46	46.2	46.4	46.7	46.9	47.1	47.3	47.4	47.6	47.8

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	61.6	61.6	59.2	58.6	58.7	59.1	59.5	60	60.5	60.9	61.4	61.8	62.3	62.7
50	60.8	60.8	58.4	57.8	57.9	58.2	58.6	59.1	59.5	60	60.4	60.9	61.3	61.8
60	60	60	57.6	57	57.1	57.4	57.8	58.2	58.6	59	59.5	59.9	60.4	60.8
70	59.2	59.2	56.8	56.2	56.2	56.5	56.9	57.3	57.7	58.1	58.5	59	59.4	59.8
80	58.5	58.5	56.1	55.4	55.5	55.7	56.1	56.5	56.9	57.3	57.6	58	58.4	58.8
90	57.9	57.9	55.4	54.8	54.8	55	55.3	55.7	56.1	56.4	56.8	57.2	57.5	57.9
100	57.3	57.3	54.8	54.1	54.1	54.3	54.7	55	55.3	55.7	56	56.3	56.7	57
110	56.7	56.7	54.3	53.6	53.5	53.7	54	54.3	54.6	54.9	55.2	55.6	55.9	56.2
120	56.2	56.2	53.7	53	53	53.2	53.4	53.7	54	54.3	54.6	54.8	55.1	55.4
130	55.8	55.8	53.3	52.5	52.5	52.7	52.9	53.2	53.4	53.7	53.9	54.2	54.4	54.7
140	55.3	55.3	52.8	52.1	52	52.2	52.4	52.6	52.9	53.1	53.3	53.6	53.8	54
150	55	55	52.4	51.7	51.6	51.7	51.9	52.2	52.4	52.6	52.8	53	53.2	53.4
160	54.6	54.6	52.1	51.3	51.2	51.3	51.5	51.7	51.9	52.1	52.3	52.5	52.7	52.8
170	54.2	54.2	51.7	50.9	50.8	50.9	51.1	51.3	51.5	51.7	51.8	52	52.1	52.3
180	53.9	53.9	51.4	50.6	50.5	50.6	50.8	50.9	51.1	51.2	51.4	51.5	51.7	51.8
190	53.6	53.6	51.1	50.3	50.2	50.3	50.4	50.6	50.7	50.9	51	51.1	51.2	51.4
200	53.3	53.3	50.8	50	49.9	49.9	50.1	50.3	50.4	50.5	50.6	50.7	50.8	50.9
210	53.1	53.1	50.5	49.7	49.6	49.7	49.8	49.9	50.1	50.2	50.3	50.4	50.4	50.5
220	52.8	52.8	50.3	49.5	49.3	49.4	49.5	49.7	49.8	49.9	50	50	50.1	50.2
230	52.6	52.6	50	49.2	49.1	49.1	49.3	49.4	49.5	49.6	49.7	49.7	49.8	49.8
240	52.4	52.4	49.8	49	48.8	48.9	49	49.1	49.2	49.3	49.4	49.4	49.5	49.5
250	52.2	52.2	49.6	48.8	48.6	48.7	48.8	48.9	49	49.1	49.1	49.1	49.2	49.2
260	52	52	49.4	48.6	48.4	48.5	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9
270	51.8	51.8	49.2	48.4	48.2	48.2	48.4	48.5	48.5	48.6	48.6	48.6	48.6	48.7
280	51.6	51.6	49	48.2	48	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4
290	51.4	51.4	48.8	48	47.8	47.9	48	48.1	48.1	48.2	48.2	48.2	48.2	48.2
300	51.2	51.2	48.7	47.8	47.6	47.7	47.8	47.9	47.9	48	48	48	48	47.9

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	60.2	60.2	57.8	57.2	57.2	57.5	57.9	58.3	58.7	59.1	59.5	59.9	60.3	60.7
50	59.6	59.6	57.2	56.6	56.6	56.9	57.3	57.7	58.2	58.6	59	59.4	59.9	60.3
60	59	59	56.5	55.9	56	56.3	56.6	57	57.5	57.9	58.3	58.7	59.1	59.6
70	58.3	58.3	55.9	55.2	55.3	55.5	55.9	56.3	56.7	57.1	57.5	57.9	58.3	58.7
80	57.7	57.7	55.2	54.6	54.6	54.9	55.2	55.6	56	56.3	56.7	57.1	57.5	57.9
90	57.1	57.1	54.7	54	54	54.2	54.6	54.9	55.3	55.6	56	56.4	56.8	57.1
100	56.5	56.5	54.1	53.4	53.4	53.6	54	54.3	54.6	55	55.3	55.7	56	56.4
110	56	56	53.6	52.9	52.9	53.1	53.4	53.7	54	54.3	54.7	55	55.3	55.7
120	55.6	55.6	53.1	52.4	52.4	52.6	52.8	53.1	53.4	53.7	54	54.4	54.7	55
130	55.1	55.1	52.7	51.9	51.9	52.1	52.3	52.6	52.9	53.2	53.5	53.7	54	54.3
140	54.7	54.7	52.3	51.5	51.5	51.6	51.9	52.1	52.4	52.7	52.9	53.2	53.4	53.7
150	54.4	54.4	51.9	51.1	51	51.2	51.4	51.7	51.9	52.2	52.4	52.6	52.9	53.1
160	54	54	51.5	50.8	50.7	50.8	51	51.3	51.5	51.7	51.9	52.1	52.3	52.6
170	53.7	53.7	51.2	50.4	50.3	50.4	50.6	50.9	51.1	51.3	51.4	51.6	51.8	52
180	53.4	53.4	50.9	50.1	50	50.1	50.3	50.5	50.7	50.8	51	51.2	51.3	51.5
190	53.1	53.1	50.6	49.8	49.7	49.8	49.9	50.1	50.3	50.5	50.6	50.8	50.9	51.1
200	52.8	52.8	50.3	49.5	49.4	49.5	49.6	49.8	50	50.1	50.2	50.4	50.5	50.6
210	52.6	52.6	50	49.2	49.1	49.2	49.3	49.5	49.6	49.8	49.9	50	50.1	50.2
220	52.3	52.3	49.8	49	48.8	48.9	49.1	49.2	49.3	49.5	49.6	49.7	49.8	49.9
230	52.1	52.1	49.5	48.7	48.6	48.7	48.8	48.9	49.1	49.2	49.3	49.3	49.4	49.5
240	51.9	51.9	49.3	48.5	48.3	48.4	48.5	48.7	48.8	48.9	49	49	49.1	49.2
250	51.6	51.6	49.1	48.3	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.7	48.8	48.9
260	51.4	51.4	48.9	48.1	47.9	48	48.1	48.2	48.3	48.4	48.4	48.5	48.5	48.6
270	51.3	51.3	48.7	47.9	47.7	47.8	47.9	48	48.1	48.1	48.2	48.2	48.2	48.3
280	51.1	51.1	48.5	47.7	47.5	47.6	47.7	47.8	47.9	47.9	48	48	48	48
290	50.9	50.9	48.3	47.5	47.3	47.4	47.5	47.6	47.7	47.7	47.7	47.8	47.8	47.8
300	50.7	50.7	48.1	47.3	47.1	47.2	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	58.9	58.9	56.5	55.9	55.9	56.1	56.4	56.8	57.1	57.5	57.8	58.2	58.5	58.9
50	58.4	58.4	56	55.4	55.4	55.7	56	56.4	56.8	57.2	57.5	57.9	58.3	58.7
60	57.9	57.9	55.4	54.8	54.8	55.1	55.4	55.8	56.2	56.5	56.9	57.3	57.7	58.1
70	57.3	57.3	54.8	54.2	54.2	54.4	54.7	55.1	55.4	55.8	56.2	56.5	56.9	57.3
80	56.7	56.7	54.2	53.6	53.5	53.8	54.1	54.4	54.8	55.1	55.5	55.8	56.2	56.5
90	56.2	56.2	53.7	53	53	53.2	53.5	53.8	54.2	54.5	54.8	55.2	55.5	55.9
100	55.7	55.7	53.2	52.5	52.5	52.7	53	53.3	53.6	53.9	54.2	54.5	54.9	55.2
110	55.2	55.2	52.7	52	52	52.2	52.4	52.7	53	53.3	53.6	53.9	54.3	54.6
120	54.8	54.8	52.3	51.6	51.5	51.7	52	52.2	52.5	52.8	53.1	53.4	53.7	54
130	54.3	54.3	51.9	51.1	51.1	51.2	51.5	51.8	52	52.3	52.6	52.8	53.1	53.4
140	54	54	51.5	50.7	50.7	50.8	51.1	51.3	51.6	51.8	52.1	52.3	52.6	52.8
150	53.6	53.6	51.1	50.4	50.3	50.4	50.6	50.9	51.1	51.4	51.6	51.8	52.1	52.3
160	53.3	53.3	50.8	50	49.9	50.1	50.3	50.5	50.7	50.9	51.1	51.3	51.6	51.8
170	53	53	50.4	49.7	49.6	49.7	49.9	50.1	50.3	50.5	50.7	50.9	51.1	51.3
180	52.7	52.7	50.1	49.4	49.3	49.4	49.6	49.8	50	50.1	50.3	50.5	50.7	50.8
190	52.4	52.4	49.8	49.1	49	49.1	49.2	49.4	49.6	49.8	49.9	50.1	50.2	50.4
200	52.1	52.1	49.6	48.8	48.7	48.8	48.9	49.1	49.3	49.4	49.6	49.7	49.9	50
210	51.9	51.9	49.3	48.5	48.4	48.5	48.7	48.8	49	49.1	49.2	49.4	49.5	49.6
220	51.6	51.6	49.1	48.3	48.1	48.2	48.4	48.5	48.7	48.8	48.9	49	49.1	49.3
230	51.4	51.4	48.8	48	47.9	48	48.1	48.3	48.4	48.5	48.6	48.7	48.8	48.9
240	51.2	51.2	48.6	47.8	47.7	47.7	47.9	48	48.1	48.2	48.3	48.4	48.5	48.6
250	51	51	48.4	47.6	47.4	47.5	47.6	47.8	47.9	48	48.1	48.1	48.2	48.3
260	50.8	50.8	48.2	47.4	47.2	47.3	47.4	47.5	47.7	47.7	47.8	47.9	47.9	48
270	50.6	50.6	48	47.2	47	47.1	47.2	47.3	47.4	47.5	47.6	47.6	47.6	47.7
280	50.4	50.4	47.8	47	46.8	46.9	47	47.1	47.2	47.3	47.3	47.4	47.4	47.4
290	50.2	50.2	47.6	46.8	46.7	46.7	46.8	46.9	47	47.1	47.1	47.1	47.2	47.2
300	50	50	47.5	46.7	46.5	46.5	46.6	46.7	46.8	46.9	46.9	46.9	46.9	46.9

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	57.7	57.7	55.3	54.6	54.6	54.8	55.1	55.4	55.7	56	56.3	56.6	56.9	57.2
50	57.4	57.4	55	54.3	54.3	54.5	54.9	55.2	55.5	55.9	56.2	56.5	56.8	57.2
60	56.9	56.9	54.5	53.8	53.8	54.1	54.4	54.7	55.1	55.4	55.8	56.1	56.5	56.8
70	56.3	56.3	53.9	53.2	53.2	53.4	53.7	54	54.4	54.7	55	55.4	55.7	56
80	55.8	55.8	53.3	52.6	52.6	52.8	53.1	53.4	53.7	54	54.3	54.7	55	55.3
90	55.3	55.3	52.8	52.1	52.1	52.3	52.5	52.8	53.1	53.4	53.7	54	54.3	54.7
100	54.8	54.8	52.3	51.6	51.6	51.8	52	52.3	52.6	52.9	53.2	53.4	53.7	54.1
110	54.4	54.4	51.9	51.2	51.1	51.3	51.5	51.8	52.1	52.3	52.6	52.9	53.2	53.5
120	54	54	51.5	50.7	50.7	50.8	51.1	51.3	51.6	51.9	52.1	52.4	52.6	52.9
130	53.6	53.6	51.1	50.3	50.3	50.4	50.6	50.9	51.1	51.4	51.6	51.9	52.1	52.4
140	53.2	53.2	50.7	50	49.9	50	50.2	50.5	50.7	50.9	51.2	51.4	51.7	51.9
150	52.9	52.9	50.3	49.6	49.5	49.6	49.9	50.1	50.3	50.5	50.7	51	51.2	51.4
160	52.5	52.5	50	49.3	49.2	49.3	49.5	49.7	49.9	50.1	50.3	50.5	50.7	51
170	52.2	52.2	49.7	48.9	48.8	49	49.2	49.4	49.6	49.7	49.9	50.1	50.3	50.5
180	52	52	49.4	48.6	48.5	48.6	48.8	49	49.2	49.4	49.6	49.7	49.9	50.1
190	51.7	51.7	49.1	48.4	48.2	48.4	48.5	48.7	48.9	49	49.2	49.4	49.5	49.7
200	51.4	51.4	48.9	48.1	48	48.1	48.2	48.4	48.6	48.7	48.9	49	49.1	49.3
210	51.2	51.2	48.6	47.8	47.7	47.8	48	48.1	48.3	48.4	48.5	48.7	48.8	48.9
220	50.9	50.9	48.4	47.6	47.5	47.5	47.7	47.9	48	48.1	48.2	48.3	48.5	48.6
230	50.7	50.7	48.2	47.4	47.2	47.3	47.4	47.6	47.7	47.8	47.9	48	48.1	48.2
240	50.5	50.5	47.9	47.1	47	47.1	47.2	47.3	47.5	47.6	47.7	47.7	47.8	47.9
250	50.3	50.3	47.7	46.9	46.8	46.8	47	47.1	47.2	47.3	47.4	47.5	47.5	47.6
260	50.1	50.1	47.5	46.7	46.6	46.6	46.8	46.9	47	47.1	47.1	47.2	47.3	47.3
270	49.9	49.9	47.3	46.5	46.4	46.4	46.6	46.7	46.8	46.8	46.9	47	47	47.1
280	49.7	49.7	47.2	46.3	46.2	46.2	46.4	46.5	46.6	46.6	46.7	46.7	46.8	46.8
290	49.6	49.6	47	46.2	46	46.1	46.2	46.3	46.4	46.4	46.5	46.5	46.5	46.5
300	49.4	49.4	46.8	46	45.8	45.9	46	46.1	46.2	46.2	46.3	46.3	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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	56.6	56.6	54.2	53.5	53.5	53.7	54	54.3	54.5	54.8	55.1	55.4	55.7	55.9
50	56.6	56.6	54.1	53.4	53.4	53.6	53.9	54.2	54.5	54.8	55.1	55.4	55.6	55.9
60	56.1	56.1	53.7	53	53	53.2	53.5	53.8	54.2	54.5	54.8	55.1	55.4	55.8
70	55.5	55.5	53.1	52.4	52.3	52.6	52.8	53.2	53.5	53.8	54.1	54.4	54.7	55
80	55	55	52.5	51.8	51.8	52	52.2	52.5	52.8	53.1	53.4	53.7	54	54.3
90	54.5	54.5	52	51.3	51.3	51.4	51.7	52	52.2	52.5	52.8	53.1	53.4	53.7
100	54.1	54.1	51.6	50.8	50.8	50.9	51.2	51.5	51.7	52	52.2	52.5	52.8	53.1
110	53.6	53.6	51.1	50.4	50.3	50.5	50.7	51	51.2	51.5	51.7	52	52.3	52.5
120	53.2	53.2	50.7	50	49.9	50.1	50.3	50.5	50.8	51	51.3	51.5	51.8	52
130	52.9	52.9	50.4	49.6	49.5	49.7	49.9	50.1	50.4	50.6	50.8	51	51.3	51.5
140	52.5	52.5	50	49.2	49.1	49.3	49.5	49.7	50	50.2	50.4	50.6	50.8	51.1
150	52.2	52.2	49.7	48.9	48.8	48.9	49.1	49.4	49.6	49.8	50	50.2	50.4	50.6
160	51.9	51.9	49.3	48.6	48.5	48.6	48.8	49	49.2	49.4	49.6	49.8	50	50.2
170	51.6	51.6	49	48.3	48.2	48.3	48.5	48.7	48.9	49	49.2	49.4	49.6	49.8
180	51.3	51.3	48.8	48	47.9	48	48.2	48.3	48.5	48.7	48.9	49	49.2	49.4
190	51	51	48.5	47.7	47.6	47.7	47.9	48	48.2	48.4	48.5	48.7	48.8	49
200	50.8	50.8	48.2	47.4	47.3	47.4	47.6	47.8	47.9	48.1	48.2	48.3	48.5	48.6
210	50.5	50.5	48	47.2	47.1	47.2	47.3	47.5	47.6	47.8	47.9	48	48.1	48.3
220	50.3	50.3	47.8	47	46.8	46.9	47.1	47.2	47.4	47.5	47.6	47.7	47.8	47.9
230	50.1	50.1	47.5	46.7	46.6	46.7	46.8	47	47.1	47.2	47.3	47.4	47.5	47.6
240	49.9	49.9	47.3	46.5	46.4	46.4	46.6	46.7	46.8	46.9	47	47.1	47.2	47.3
250	49.7	49.7	47.1	46.3	46.1	46.2	46.3	46.5	46.6	46.7	46.8	46.9	46.9	47
260	49.5	49.5	46.9	46.1	45.9	46	46.1	46.3	46.4	46.5	46.5	46.6	46.7	46.7
270	49.3	49.3	46.7	45.9	45.7	45.8	45.9	46	46.1	46.2	46.3	46.4	46.4	46.5
280	49.1	49.1	46.5	45.7	45.5	45.6	45.7	45.8	45.9	46	46.1	46.1	46.2	46.2
290	48.9	48.9	46.4	45.5	45.4	45.4	45.5	45.6	45.7	45.8	45.9	45.9	45.9	46
300	48.8	48.8	46.2	45.4	45.2	45.2	45.4	45.5	45.5	45.6	45.6	45.7	45.7	45.7

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	55.6	53.2	52.5	52.4	52.7	52.9	53.2	53.5	53.8	54.1	54.3	54.6	54.9
50	55.8	55.8	53.3	52.6	52.6	52.8	53	53.3	53.6	53.8	54.1	54.4	54.6	54.9
60	55.4	55.4	52.9	52.2	52.2	52.4	52.7	53	53.3	53.6	53.9	54.2	54.5	54.8
70	54.8	54.8	52.3	51.6	51.6	51.8	52.1	52.3	52.6	52.9	53.2	53.5	53.8	54
80	54.3	54.3	51.8	51.1	51	51.2	51.4	51.7	52	52.2	52.5	52.8	53	53.3
90	53.8	53.8	51.3	50.6	50.5	50.7	50.9	51.2	51.4	51.7	51.9	52.2	52.4	52.7
100	53.4	53.4	50.9	50.1	50	50.2	50.4	50.7	50.9	51.2	51.4	51.6	51.9	52.2
110	53	53	50.4	49.7	49.6	49.8	50	50.2	50.5	50.7	50.9	51.2	51.4	51.7
120	52.6	52.6	50.1	49.3	49.2	49.4	49.6	49.8	50	50.3	50.5	50.7	50.9	51.2
130	52.2	52.2	49.7	48.9	48.8	49	49.2	49.4	49.6	49.8	50	50.3	50.5	50.7
140	51.9	51.9	49.3	48.6	48.5	48.6	48.8	49	49.2	49.4	49.6	49.8	50.1	50.3
150	51.5	51.5	49	48.2	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.4	49.6	49.9
160	51.2	51.2	48.7	47.9	47.8	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.2	49.4
170	50.9	50.9	48.4	47.6	47.5	47.6	47.8	48	48.2	48.4	48.5	48.7	48.9	49.1
180	50.7	50.7	48.1	47.4	47.2	47.3	47.5	47.7	47.9	48	48.2	48.3	48.5	48.7
190	50.4	50.4	47.9	47.1	47	47.1	47.2	47.4	47.6	47.7	47.9	48	48.2	48.3
200	50.2	50.2	47.6	46.8	46.7	46.8	47	47.1	47.3	47.4	47.6	47.7	47.8	48
210	49.9	49.9	47.4	46.6	46.4	46.5	46.7	46.9	47	47.1	47.3	47.4	47.5	47.6
220	49.7	49.7	47.1	46.3	46.2	46.3	46.4	46.6	46.7	46.9	47	47.1	47.2	47.3
230	49.5	49.5	46.9	46.1	46	46	46.2	46.3	46.5	46.6	46.7	46.8	46.9	47
240	49.3	49.3	46.7	45.9	45.7	45.8	46	46.1	46.2	46.3	46.4	46.5	46.6	46.7
250	49.1	49.1	46.5	45.7	45.5	45.6	45.7	45.9	46	46.1	46.2	46.3	46.3	46.4
260	48.9	48.9	46.3	45.5	45.3	45.4	45.5	45.7	45.8	45.9	45.9	46	46.1	46.1
270	48.7	48.7	46.1	45.3	45.1	45.2	45.3	45.4	45.6	45.6	45.7	45.8	45.8	45.9
280	48.5	48.5	45.9	45.1	44.9	45	45.1	45.2	45.3	45.4	45.5	45.5	45.6	45.6
290	48.3	48.3	45.8	44.9	44.8	44.8	44.9	45	45.1	45.2	45.3	45.3	45.3	45.4
300	48.1	48.1	45.6	44.8	44.6	44.6	44.8	44.9	44.9	45	45.1	45.1	45.1	45.1

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	54.7	54.7	52.2	51.5	51.5	51.7	51.9	52.2	52.5	52.7	53	53.2	53.5	53.7
50	55.1	55.1	52.6	51.9	51.8	52	52.2	52.5	52.8	53	53.2	53.5	53.7	53.9
60	54.7	54.7	52.2	51.5	51.5	51.7	52	52.3	52.6	52.8	53.1	53.4	53.6	53.9
70	54.1	54.1	51.7	50.9	50.9	51.1	51.3	51.6	51.9	52.1	52.4	52.7	52.9	53.2
80	53.6	53.6	51.1	50.4	50.3	50.5	50.7	51	51.2	51.5	51.7	51.9	52.2	52.5
90	53.1	53.1	50.6	49.9	49.8	50	50.2	50.4	50.7	50.9	51.1	51.4	51.6	51.8
100	52.7	52.7	50.2	49.5	49.4	49.5	49.7	50	50.2	50.4	50.6	50.8	51.1	51.3
110	52.3	52.3	49.8	49	49	49.1	49.3	49.5	49.7	50	50.2	50.4	50.6	50.8
120	51.9	51.9	49.4	48.7	48.6	48.7	48.9	49.1	49.3	49.5	49.7	49.9	50.1	50.4
130	51.6	51.6	49.1	48.3	48.2	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.7	49.9
140	51.3	51.3	48.7	48	47.9	48	48.2	48.4	48.6	48.8	48.9	49.1	49.3	49.5
150	50.9	50.9	48.4	47.6	47.5	47.6	47.8	48	48.2	48.4	48.6	48.7	48.9	49.1
160	50.6	50.6	48.1	47.3	47.2	47.3	47.5	47.7	47.9	48	48.2	48.4	48.6	48.7
170	50.4	50.4	47.8	47	46.9	47	47.2	47.4	47.6	47.7	47.9	48	48.2	48.4
180	50.1	50.1	47.5	46.8	46.6	46.7	46.9	47.1	47.2	47.4	47.5	47.7	47.8	48
190	49.8	49.8	47.3	46.5	46.4	46.5	46.6	46.8	47	47.1	47.2	47.4	47.5	47.7
200	49.6	49.6	47	46.2	46.1	46.2	46.4	46.5	46.7	46.8	46.9	47.1	47.2	47.3
210	49.3	49.3	46.8	46	45.9	45.9	46.1	46.3	46.4	46.5	46.6	46.8	46.9	47
220	49.1	49.1	46.6	45.8	45.6	45.7	45.8	46	46.1	46.3	46.4	46.5	46.6	46.7
230	48.9	48.9	46.3	45.5	45.4	45.5	45.6	45.8	45.9	46	46.1	46.2	46.3	46.4
240	48.7	48.7	46.1	45.3	45.2	45.2	45.4	45.5	45.6	45.7	45.8	45.9	46	46.1
250	48.5	48.5	45.9	45.1	45	45	45.2	45.3	45.4	45.5	45.6	45.7	45.7	45.8
260	48.3	48.3	45.7	44.9	44.8	44.8	44.9	45.1	45.2	45.3	45.4	45.4	45.5	45.5
270	48.1	48.1	45.5	44.7	44.6	44.6	44.7	44.9	45	45.1	45.1	45.2	45.2	45.3
280	47.9	47.9	45.4	44.5	44.4	44.4	44.6	44.7	44.8	44.8	44.9	45	45	45
290	47.7	47.7	45.2	44.4	44.2	44.2	44.4	44.5	44.6	44.6	44.7	44.7	44.8	44.8
300	47.6	47.6	45	44.2	44	44.1	44.2	44.3	44.4	44.4	44.5	44.5	44.5	44.6

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	53.8	53.8	51.4	50.7	50.6	50.8	51.1	51.3	51.6	51.8	52.1	52.3	52.5	52.8
50	54.4	54.4	52	51.2	51.2	51.3	51.6	51.8	52	52.3	52.5	52.7	52.9	53.1
60	54.1	54.1	51.6	50.9	50.9	51.1	51.3	51.6	51.9	52.1	52.4	52.6	52.8	53.1
70	53.5	53.5	51	50.3	50.3	50.4	50.7	51	51.2	51.4	51.7	51.9	52.2	52.4
80	53	53	50.5	49.8	49.7	49.8	50.1	50.3	50.6	50.8	51	51.2	51.5	51.7
90	52.5	52.5	50	49.3	49.2	49.3	49.6	49.8	50	50.2	50.4	50.7	50.9	51.1
100	52.1	52.1	49.6	48.8	48.8	48.9	49.1	49.3	49.5	49.7	50	50.2	50.4	50.6
110	51.7	51.7	49.2	48.4	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.7	49.9	50.1
120	51.4	51.4	48.8	48.1	48	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5	49.7
130	51	51	48.5	47.7	47.6	47.7	47.9	48.1	48.3	48.5	48.7	48.9	49	49.2
140	50.7	50.7	48.2	47.4	47.3	47.4	47.6	47.8	48	48.1	48.3	48.5	48.7	48.8
150	50.4	50.4	47.8	47.1	46.9	47.1	47.2	47.4	47.6	47.8	47.9	48.1	48.3	48.5
160	50.1	50.1	47.5	46.8	46.6	46.7	46.9	47.1	47.3	47.4	47.6	47.7	47.9	48.1
170	49.8	49.8	47.3	46.5	46.3	46.4	46.6	46.8	47	47.1	47.3	47.4	47.6	47.7
180	49.5	49.5	47	46.2	46.1	46.2	46.3	46.5	46.7	46.8	46.9	47.1	47.2	47.4
190	49.3	49.3	46.7	45.9	45.8	45.9	46.1	46.2	46.4	46.5	46.6	46.8	46.9	47.1
200	49	49	46.5	45.7	45.5	45.6	45.8	46	46.1	46.2	46.4	46.5	46.6	46.7
210	48.8	48.8	46.2	45.4	45.3	45.4	45.5	45.7	45.8	46	46.1	46.2	46.3	46.4
220	48.6	48.6	46	45.2	45.1	45.1	45.3	45.4	45.6	45.7	45.8	45.9	46	46.1
230	48.3	48.3	45.8	45	44.8	44.9	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8
240	48.1	48.1	45.6	44.8	44.6	44.7	44.8	45	45.1	45.2	45.3	45.4	45.4	45.5
250	47.9	47.9	45.4	44.6	44.4	44.5	44.6	44.7	44.9	45	45	45.1	45.2	45.3
260	47.7	47.7	45.2	44.4	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	44.9	45
270	47.6	47.6	45	44.2	44	44.1	44.2	44.3	44.4	44.5	44.6	44.6	44.7	44.8
280	47.4	47.4	44.8	44	43.8	43.9	44	44.1	44.2	44.3	44.4	44.4	44.5	44.5
290	47.2	47.2	44.6	43.8	43.6	43.7	43.8	43.9	44	44.1	44.2	44.2	44.2	44.3
300	47	47	44.5	43.6	43.5	43.5	43.6	43.7	43.8	43.9	43.9	44	44	44

* 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	75.6	75.6	73.5	73.2	73.6	74.2	74.9	75.6	76.3	77	77.6	78.2	78.8	79.4
20	71.3	71.3	69.1	68.8	69.1	69.6	70.2	70.9	71.5	72.1	72.7	73.3	73.9	74.5
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	53.1	50.7	50	49.9	50.1	50.4	50.7	51	51.2	51.5	51.8	52	52.3
50	53.8	53.8	51.3	50.6	50.5	50.7	50.9	51.1	51.4	51.6	51.8	52	52.2	52.4
60	53.6	53.6	51.1	50.4	50.3	50.5	50.7	51	51.2	51.5	51.7	51.9	52.2	52.4
70	53	53	50.5	49.8	49.7	49.9	50.1	50.3	50.6	50.8	51	51.3	51.5	51.7
80	52.4	52.4	49.9	49.2	49.1	49.3	49.5	49.8	50	50.2	50.4	50.6	50.9	51.1
90	52	52	49.5	48.7	48.6	48.8	49	49.2	49.5	49.7	49.9	50.1	50.3	50.5
100	51.6	51.6	49.1	48.3	48.2	48.3	48.5	48.8	49	49.2	49.4	49.6	49.8	50
110	51.2	51.2	48.7	47.9	47.8	47.9	48.1	48.3	48.5	48.7	48.9	49.1	49.3	49.5
120	50.8	50.8	48.3	47.5	47.4	47.6	47.8	48	48.2	48.3	48.5	48.7	48.9	49.1
130	50.5	50.5	48	47.2	47.1	47.2	47.4	47.6	47.8	48	48.1	48.3	48.5	48.7
140	50.2	50.2	47.6	46.9	46.7	46.9	47	47.2	47.4	47.6	47.8	47.9	48.1	48.3
150	49.9	49.9	47.3	46.5	46.4	46.5	46.7	46.9	47.1	47.2	47.4	47.5	47.7	47.9
160	49.6	49.6	47	46.2	46.1	46.2	46.4	46.6	46.7	46.9	47.1	47.2	47.4	47.5
170	49.3	49.3	46.7	45.9	45.8	45.9	46.1	46.3	46.4	46.6	46.7	46.9	47	47.2
180	49	49	46.5	45.7	45.5	45.6	45.8	46	46.1	46.3	46.4	46.6	46.7	46.8
190	48.8	48.8	46.2	45.4	45.3	45.4	45.5	45.7	45.9	46	46.1	46.2	46.4	46.5
200	48.5	48.5	46	45.2	45	45.1	45.3	45.4	45.6	45.7	45.8	45.9	46.1	46.2
210	48.3	48.3	45.7	44.9	44.8	44.9	45	45.2	45.3	45.4	45.6	45.7	45.8	45.9
220	48	48	45.5	44.7	44.6	44.6	44.8	44.9	45.1	45.2	45.3	45.4	45.5	45.6
230	47.8	47.8	45.3	44.5	44.3	44.4	44.5	44.7	44.8	44.9	45	45.1	45.2	45.3
240	47.6	47.6	45.1	44.3	44.1	44.2	44.3	44.5	44.6	44.7	44.8	44.9	44.9	45
250	47.4	47.4	44.9	44.1	43.9	44	44.1	44.2	44.4	44.4	44.5	44.6	44.7	44.8
260	47.2	47.2	44.7	43.9	43.7	43.8	43.9	44	44.1	44.2	44.3	44.4	44.4	44.5
270	47	47	44.5	43.7	43.5	43.6	43.7	43.8	43.9	44	44.1	44.1	44.2	44.3
280	46.9	46.9	44.3	43.5	43.3	43.4	43.5	43.6	43.7	43.8	43.9	43.9	44	44
290	46.7	46.7	44.1	43.3	43.1	43.2	43.3	43.4	43.5	43.6	43.6	43.7	43.7	43.8
300	46.5	46.5	43.9	43.1	43	43	43.1	43.2	43.3	43.4	43.4	43.5	43.5	43.5

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	52	52	51.2	54	57.3	60.1	62.5	64.5	66.3	67.9	69.4	70.7	71.9	73
50	52.1	52.1	51.4	54.2	57.4	60.2	62.6	64.7	66.5	68.1	69.5	70.8	72	73.1
60	52.1	52.1	51.3	54.1	57.3	60.2	62.5	64.6	66.4	68	69.4	70.7	71.9	73
70	51.8	51.8	51	53.8	57	59.9	62.2	64.3	66.1	67.7	69.1	70.4	71.5	72.6
80	51.4	51.4	50.7	53.5	56.7	59.5	61.9	63.9	65.7	67.3	68.7	70	71.1	72.2
90	51.1	51.1	50.3	53.1	56.3	59.1	61.5	63.5	65.3	66.9	68.3	69.6	70.7	71.8
100	50.7	50.7	49.9	52.7	55.9	58.7	61.1	63.1	64.9	66.5	67.9	69.2	70.4	71.4
110	50.3	50.3	49.6	52.3	55.6	58.4	60.7	62.8	64.6	66.1	67.5	68.8	70	71.1
120	50	50	49.2	52	55.2	58	60.4	62.4	64.2	65.8	67.2	68.5	69.6	70.7
130	49.6	49.6	48.9	51.7	54.9	57.7	60	62.1	63.9	65.4	66.8	68.1	69.3	70.4
140	49.3	49.3	48.6	51.3	54.5	57.3	59.7	61.8	63.5	65.1	66.5	67.8	69	70
150	49	49	48.3	51	54.2	57	59.4	61.5	63.2	64.8	66.2	67.5	68.7	69.7
160	48.7	48.7	48	50.7	53.9	56.7	59.1	61.2	62.9	64.5	65.9	67.2	68.4	69.4
170	48.4	48.4	47.7	50.4	53.7	56.5	58.8	60.9	62.7	64.2	65.6	66.9	68.1	69.2
180	48.2	48.2	47.4	50.2	53.4	56.2	58.6	60.6	62.4	64	65.4	66.6	67.8	68.9
190	47.9	47.9	47.1	49.9	53.1	55.9	58.3	60.3	62.1	63.7	65.1	66.4	67.6	68.6
200	47.7	47.7	46.9	49.7	52.9	55.7	58.1	60.1	61.9	63.5	64.9	66.1	67.3	68.4
210	47.4	47.4	46.7	49.4	52.6	55.5	57.8	59.9	61.6	63.2	64.6	65.9	67.1	68.2
220	47.2	47.2	46.4	49.2	52.4	55.2	57.6	59.6	61.4	63	64.4	65.7	66.8	67.9
230	47	47	46.2	49	52.2	55	57.4	59.4	61.2	62.8	64.2	65.5	66.6	67.7
240	46.7	46.7	46	48.8	52	54.8	57.2	59.2	61	62.5	64	65.2	66.4	67.5
250	46.5	46.5	45.8	48.5	51.8	54.6	56.9	59	60.8	62.3	63.8	65	66.2	67.3
260	46.3	46.3	45.6	48.3	51.6	54.4	56.7	58.8	60.6	62.1	63.5	64.8	66	67.1
270	46.1	46.1	45.4	48.1	51.4	54.2	56.5	58.6	60.4	61.9	63.4	64.6	65.8	66.9
280	45.9	45.9	45.2	48	51.2	54	56.4	58.4	60.2	61.8	63.2	64.4	65.6	66.7
290	45.8	45.8	45	47.8	51	53.8	56.2	58.2	60	61.6	63	64.3	65.4	66.5
300	45.6	45.6	44.8	47.6	50.8	53.6	56	58	59.8	61.4	62.8	64.1	65.3	66.3

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	49.8	49.8	49.1	51.9	55.1	58	60.4	62.4	64.3	65.9	67.3	68.6	69.8	70.9
50	49.8	49.8	49.1	51.9	55.2	58	60.4	62.5	64.3	65.9	67.4	68.7	69.9	71
60	49.9	49.9	49.2	52	55.3	58.1	60.5	62.6	64.4	66	67.4	68.7	69.9	71
70	49.7	49.7	49	51.8	55.1	57.9	60.3	62.3	64.2	65.7	67.2	68.5	69.7	70.8
80	49.5	49.5	48.7	51.5	54.8	57.6	60	62	63.8	65.4	66.9	68.2	69.4	70.5
90	49.1	49.1	48.4	51.2	54.4	57.3	59.6	61.7	63.5	65.1	66.5	67.8	69	70.1
100	48.8	48.8	48.1	50.9	54.1	56.9	59.3	61.4	63.2	64.7	66.2	67.5	68.7	69.8
110	48.5	48.5	47.7	50.5	53.8	56.6	59	61	62.8	64.4	65.8	67.1	68.3	69.4
120	48.2	48.2	47.4	50.2	53.4	56.3	58.6	60.7	62.5	64.1	65.5	66.8	68	69.1
130	47.8	47.8	47.1	49.9	53.1	55.9	58.3	60.4	62.2	63.8	65.2	66.5	67.7	68.8
140	47.5	47.5	46.8	49.6	52.8	55.6	58	60.1	61.9	63.5	64.9	66.2	67.4	68.4
150	47.2	47.2	46.5	49.3	52.5	55.3	57.7	59.8	61.6	63.2	64.6	65.9	67.1	68.2
160	47	47	46.2	49	52.2	55	57.4	59.5	61.3	62.9	64.3	65.6	66.8	67.9
170	46.7	46.7	45.9	48.7	52	54.8	57.2	59.2	61	62.6	64	65.3	66.5	67.6
180	46.4	46.4	45.7	48.5	51.7	54.5	56.9	59	60.8	62.3	63.8	65.1	66.2	67.3
190	46.2	46.2	45.4	48.2	51.5	54.3	56.7	58.7	60.5	62.1	63.5	64.8	66	67.1
200	45.9	45.9	45.2	48	51.2	54	56.4	58.5	60.3	61.9	63.3	64.6	65.8	66.9
210	45.7	45.7	45	47.7	51	53.8	56.2	58.2	60	61.6	63.1	64.3	65.5	66.6
220	45.5	45.5	44.7	47.5	50.8	53.6	56	58	59.8	61.4	62.8	64.1	65.3	66.4
230	45.3	45.3	44.5	47.3	50.5	53.4	55.7	57.8	59.6	61.2	62.6	63.9	65.1	66.2
240	45	45	44.3	47.1	50.3	53.1	55.5	57.6	59.4	61	62.4	63.7	64.9	66
250	44.8	44.8	44.1	46.9	50.1	52.9	55.3	57.4	59.2	60.8	62.2	63.5	64.7	65.8
260	44.6	44.6	43.9	46.7	49.9	52.7	55.1	57.2	59	60.6	62	63.3	64.5	65.6
270	44.5	44.5	43.7	46.5	49.7	52.6	54.9	57	58.8	60.4	61.8	63.1	64.3	65.4
280	44.3	44.3	43.5	46.3	49.5	52.4	54.8	56.8	58.6	60.2	61.6	62.9	64.1	65.2
290	44.1	44.1	43.3	46.1	49.4	52.2	54.6	56.6	58.4	60	61.4	62.7	63.9	65
300	43.9	43.9	43.2	46	49.2	52	54.4	56.5	58.3	59.8	61.3	62.6	63.8	64.9

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	48.3	48.3	47.6	50.4	53.6	56.5	58.9	61	62.8	64.4	65.9	67.2	68.4	69.5
50	48.2	48.2	47.5	50.3	53.6	56.4	58.8	60.9	62.7	64.3	65.8	67.1	68.3	69.4
60	48.3	48.3	47.5	50.3	53.6	56.4	58.9	60.9	62.8	64.4	65.8	67.1	68.3	69.5
70	48.1	48.1	47.4	50.2	53.4	56.3	58.7	60.7	62.6	64.2	65.6	66.9	68.1	69.3
80	47.8	47.8	47.1	49.9	53.2	56	58.4	60.5	62.3	63.9	65.3	66.6	67.9	69
90	47.5	47.5	46.8	49.6	52.9	55.7	58.1	60.2	62	63.6	65	66.3	67.5	68.6
100	47.2	47.2	46.5	49.3	52.6	55.4	57.8	59.9	61.7	63.3	64.7	66	67.2	68.3
110	46.9	46.9	46.2	49	52.2	55.1	57.5	59.5	61.4	63	64.4	65.7	66.9	68
120	46.6	46.6	45.9	48.7	51.9	54.8	57.2	59.2	61	62.6	64.1	65.4	66.6	67.7
130	46.3	46.3	45.6	48.4	51.6	54.5	56.9	58.9	60.7	62.3	63.8	65.1	66.3	67.4
140	46.1	46.1	45.3	48.1	51.4	54.2	56.6	58.6	60.4	62	63.5	64.8	66	67.1
150	45.8	45.8	45	47.8	51.1	53.9	56.3	58.4	60.2	61.8	63.2	64.5	65.7	66.8
160	45.5	45.5	44.8	47.6	50.8	53.6	56	58.1	59.9	61.5	62.9	64.2	65.4	66.5
170	45.2	45.2	44.5	47.3	50.5	53.4	55.8	57.8	59.6	61.2	62.7	64	65.2	66.3
180	45	45	44.3	47.1	50.3	53.1	55.5	57.6	59.4	61	62.4	63.7	64.9	66
190	44.7	44.7	44	46.8	50	52.9	55.3	57.3	59.1	60.7	62.2	63.5	64.7	65.8
200	44.5	44.5	43.8	46.6	49.8	52.6	55	57.1	58.9	60.5	61.9	63.2	64.4	65.5
210	44.3	44.3	43.6	46.3	49.6	52.4	54.8	56.9	58.7	60.3	61.7	63	64.2	65.3
220	44.1	44.1	43.3	46.1	49.4	52.2	54.6	56.7	58.5	60.1	61.5	62.8	64	65.1
230	43.9	43.9	43.1	45.9	49.2	52	54.4	56.5	58.3	59.9	61.3	62.6	63.8	64.9
240	43.6	43.6	42.9	45.7	49	51.8	54.2	56.2	58	59.6	61.1	62.4	63.6	64.7
250	43.4	43.4	42.7	45.5	48.8	51.6	54	56	57.8	59.4	60.9	62.2	63.4	64.5
260	43.3	43.3	42.5	45.3	48.6	51.4	53.8	55.9	57.7	59.3	60.7	62	63.2	64.3
270	43.1	43.1	42.3	45.1	48.4	51.2	53.6	55.7	57.5	59.1	60.5	61.8	63	64.1
280	42.9	42.9	42.1	44.9	48.2	51	53.4	55.5	57.3	58.9	60.3	61.6	62.8	63.9
290	42.7	42.7	42	44.8	48	50.8	53.2	55.3	57.1	58.7	60.1	61.5	62.7	63.8
300	42.5	42.5	41.8	44.6	47.8	50.7	53.1	55.1	56.9	58.5	60	61.3	62.5	63.6

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	47	47	46.3	49.1	52.4	55.2	57.6	59.7	61.5	63.2	64.6	65.9	67.2	68.3
50	47	47	46.3	49.1	52.3	55.2	57.6	59.7	61.5	63.1	64.6	65.9	67.1	68.3
60	47	47	46.2	49.1	52.3	55.2	57.6	59.7	61.5	63.1	64.6	65.9	67.1	68.2
70	46.7	46.7	46	48.8	52.1	54.9	57.3	59.4	61.2	62.9	64.3	65.6	66.9	68
80	46.5	46.5	45.7	48.6	51.8	54.7	57.1	59.2	61	62.6	64	65.4	66.6	67.7
90	46.2	46.2	45.5	48.3	51.5	54.4	56.8	58.9	60.7	62.3	63.8	65.1	66.3	67.4
100	45.9	45.9	45.2	48	51.3	54.1	56.5	58.6	60.4	62	63.5	64.8	66	67.1
110	45.6	45.6	44.9	47.7	51	53.8	56.2	58.3	60.1	61.7	63.2	64.5	65.7	66.8
120	45.4	45.4	44.6	47.4	50.7	53.5	55.9	58	59.8	61.4	62.9	64.2	65.4	66.5
130	45.1	45.1	44.4	47.2	50.4	53.3	55.7	57.7	59.5	61.2	62.6	63.9	65.1	66.2
140	44.8	44.8	44.1	46.9	50.1	53	55.4	57.5	59.3	60.9	62.3	63.6	64.8	65.9
150	44.6	44.6	43.8	46.6	49.9	52.7	55.1	57.2	59	60.6	62	63.4	64.6	65.7
160	44.3	44.3	43.6	46.4	49.6	52.5	54.9	56.9	58.7	60.3	61.8	63.1	64.3	65.4
170	44	44	43.3	46.1	49.4	52.2	54.6	56.7	58.5	60.1	61.5	62.8	64	65.1
180	43.8	43.8	43.1	45.9	49.1	52	54.4	56.4	58.2	59.8	61.3	62.6	63.8	64.9
190	43.6	43.6	42.8	45.6	48.9	51.7	54.1	56.2	58	59.6	61.1	62.4	63.6	64.7
200	43.3	43.3	42.6	45.4	48.7	51.5	53.9	56	57.8	59.4	60.8	62.1	63.3	64.4
210	43.1	43.1	42.4	45.2	48.4	51.3	53.7	55.8	57.6	59.2	60.6	61.9	63.1	64.2
220	42.9	42.9	42.2	45	48.2	51.1	53.5	55.5	57.3	59	60.4	61.7	62.9	64
230	42.7	42.7	42	44.8	48	50.9	53.3	55.3	57.1	58.7	60.2	61.5	62.7	63.8
240	42.5	42.5	41.8	44.6	47.8	50.7	53.1	55.1	56.9	58.5	60	61.3	62.5	63.6
250	42.3	42.3	41.6	44.4	47.6	50.5	52.9	54.9	56.7	58.3	59.8	61.1	62.3	63.4
260	42.1	42.1	41.4	44.2	47.4	50.3	52.7	54.7	56.6	58.2	59.6	60.9	62.1	63.2
270	41.9	41.9	41.2	44	47.2	50.1	52.5	54.6	56.4	58	59.4	60.7	61.9	63
280	41.7	41.7	41	43.8	47.1	49.9	52.3	54.4	56.2	57.8	59.2	60.5	61.7	62.9
290	41.6	41.6	40.8	43.6	46.9	49.7	52.1	54.2	56	57.6	59.1	60.4	61.6	62.7
300	41.4	41.4	40.7	43.5	46.7	49.6	52	54	55.8	57.4	58.9	60.2	61.4	62.5

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	45.9	45.9	45.2	48	51.3	54.1	56.5	58.6	60.4	62.1	63.5	64.9	66.1	67.2
50	46	46	45.3	48.1	51.4	54.2	56.6	58.7	60.5	62.2	63.6	64.9	66.2	67.3
60	45.9	45.9	45.2	48	51.3	54.1	56.6	58.6	60.5	62.1	63.5	64.9	66.1	67.2
70	45.6	45.6	44.9	47.7	51	53.8	56.3	58.3	60.2	61.8	63.2	64.6	65.8	66.9
80	45.3	45.3	44.6	47.4	50.7	53.5	56	58	59.9	61.5	63	64.3	65.5	66.6
90	45	45	44.3	47.1	50.4	53.3	55.7	57.8	59.6	61.2	62.7	64	65.2	66.3
100	44.8	44.8	44.1	46.9	50.1	53	55.4	57.5	59.3	60.9	62.4	63.7	64.9	66.1
110	44.5	44.5	43.8	46.6	49.9	52.7	55.2	57.2	59	60.7	62.1	63.4	64.7	65.8
120	44.3	44.3	43.6	46.4	49.6	52.5	54.9	57	58.8	60.4	61.8	63.2	64.4	65.5
130	44	44	43.3	46.1	49.4	52.2	54.6	56.7	58.5	60.1	61.6	62.9	64.1	65.2
140	43.8	43.8	43	45.8	49.1	51.9	54.4	56.4	58.2	59.9	61.3	62.6	63.8	64.9
150	43.5	43.5	42.8	45.6	48.8	51.7	54.1	56.2	58	59.6	61	62.4	63.6	64.7
160	43.3	43.3	42.5	45.3	48.6	51.4	53.8	55.9	57.7	59.3	60.8	62.1	63.3	64.4
170	43	43	42.3	45.1	48.4	51.2	53.6	55.7	57.5	59.1	60.5	61.9	63.1	64.2
180	42.8	42.8	42.1	44.9	48.1	51	53.4	55.4	57.3	58.9	60.3	61.6	62.8	63.9
190	42.6	42.6	41.8	44.6	47.9	50.7	53.1	55.2	57	58.6	60.1	61.4	62.6	63.7
200	42.3	42.3	41.6	44.4	47.7	50.5	52.9	55	56.8	58.4	59.9	61.2	62.4	63.5
210	42.1	42.1	41.4	44.2	47.5	50.3	52.7	54.8	56.6	58.2	59.6	61	62.2	63.3
220	41.9	41.9	41.2	44	47.3	50.1	52.5	54.6	56.4	58	59.4	60.8	62	63.1
230	41.7	41.7	41	43.8	47	49.9	52.3	54.4	56.2	57.8	59.2	60.6	61.8	62.9
240	41.5	41.5	40.8	43.6	46.9	49.7	52.1	54.2	56	57.6	59	60.4	61.6	62.7
250	41.3	41.3	40.6	43.4	46.7	49.5	51.9	54	55.8	57.4	58.8	60.2	61.4	62.5
260	41.1	41.1	40.4	43.2	46.5	49.3	51.7	53.8	55.6	57.2	58.7	60	61.2	62.3
270	41	41	40.2	43	46.3	49.1	51.5	53.6	55.4	57	58.5	59.8	61	62.1
280	40.8	40.8	40.1	42.9	46.1	48.9	51.4	53.4	55.2	56.9	58.3	59.6	60.8	61.9
290	40.6	40.6	39.9	42.7	45.9	48.8	51.2	53.3	55.1	56.7	58.1	59.4	60.7	61.8
300	40.4	40.4	39.7	42.5	45.8	48.6	51	53.1	54.9	56.5	58	59.3	60.5	61.6

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	44.9	44.9	44.2	47	50.3	53.1	55.5	57.6	59.4	61.1	62.5	63.9	65.1	66.2
50	45.1	45.1	44.4	47.3	50.5	53.4	55.8	57.9	59.7	61.3	62.8	64.1	65.3	66.5
60	45.1	45.1	44.4	47.2	50.4	53.3	55.7	57.8	59.6	61.2	62.7	64	65.2	66.3
70	44.7	44.7	44	46.8	50	52.9	55.3	57.4	59.2	60.9	62.3	63.7	64.9	66
80	44.3	44.3	43.6	46.4	49.7	52.6	55	57.1	58.9	60.6	62	63.3	64.6	65.7
90	44.1	44.1	43.4	46.2	49.4	52.3	54.7	56.8	58.6	60.3	61.7	63.1	64.3	65.4
100	43.8	43.8	43.1	45.9	49.2	52	54.5	56.6	58.4	60	61.5	62.8	64	65.1
110	43.6	43.6	42.8	45.7	48.9	51.8	54.2	56.3	58.1	59.7	61.2	62.5	63.7	64.9
120	43.3	43.3	42.6	45.4	48.7	51.5	54	56	57.9	59.5	60.9	62.3	63.5	64.6
130	43.1	43.1	42.4	45.2	48.4	51.3	53.7	55.8	57.6	59.2	60.7	62	63.2	64.3
140	42.8	42.8	42.1	44.9	48.2	51	53.4	55.5	57.3	59	60.4	61.7	63	64.1
150	42.6	42.6	41.9	44.7	47.9	50.8	53.2	55.3	57.1	58.7	60.2	61.5	62.7	63.8
160	42.3	42.3	41.6	44.4	47.7	50.5	53	55	56.9	58.5	59.9	61.2	62.5	63.6
170	42.1	42.1	41.4	44.2	47.5	50.3	52.7	54.8	56.6	58.2	59.7	61	62.2	63.3
180	41.9	41.9	41.2	44	47.2	50.1	52.5	54.6	56.4	58	59.5	60.8	62	63.1
190	41.7	41.7	41	43.8	47	49.9	52.3	54.4	56.2	57.8	59.2	60.6	61.8	62.9
200	41.5	41.5	40.7	43.5	46.8	49.6	52.1	54.1	56	57.6	59	60.3	61.5	62.7
210	41.3	41.3	40.5	43.3	46.6	49.4	51.9	53.9	55.7	57.4	58.8	60.1	61.3	62.5
220	41	41	40.3	43.1	46.4	49.2	51.6	53.7	55.5	57.1	58.6	59.9	61.1	62.2
230	40.8	40.8	40.1	42.9	46.2	49	51.4	53.5	55.3	56.9	58.4	59.7	60.9	62
240	40.7	40.7	39.9	42.7	46	48.8	51.3	53.3	55.1	56.8	58.2	59.5	60.7	61.8
250	40.5	40.5	39.7	42.5	45.8	48.6	51.1	53.1	55	56.6	58	59.3	60.5	61.7
260	40.3	40.3	39.6	42.4	45.6	48.5	50.9	53	54.8	56.4	57.8	59.1	60.4	61.5
270	40.1	40.1	39.4	42.2	45.4	48.3	50.7	52.8	54.6	56.2	57.7	59	60.2	61.3
280	39.9	39.9	39.2	42	45.3	48.1	50.5	52.6	54.4	56	57.5	58.8	60	61.1
290	39.7	39.7	39	41.8	45.1	47.9	50.4	52.4	54.2	55.9	57.3	58.6	59.8	61
300	39.6	39.6	38.9	41.7	44.9	47.8	50.2	52.3	54.1	55.7	57.1	58.5	59.7	60.8

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	43.9	43.9	43.2	46	49.3	52.2	54.6	56.7	58.5	60.1	61.6	62.9	64.1	65.3
50	44.4	44.4	43.7	46.5	49.8	52.6	55.1	57.1	59	60.6	62.1	63.4	64.6	65.7
60	44.3	44.3	43.6	46.4	49.7	52.5	54.9	57	58.8	60.5	61.9	63.2	64.5	65.6
70	43.8	43.8	43.1	46	49.2	52.1	54.5	56.6	58.4	60.1	61.5	62.9	64.1	65.2
80	43.5	43.5	42.8	45.6	48.9	51.7	54.2	56.3	58.1	59.7	61.2	62.5	63.7	64.9
90	43.2	43.2	42.5	45.3	48.6	51.4	53.9	56	57.8	59.4	60.9	62.2	63.5	64.6
100	42.9	42.9	42.2	45.1	48.3	51.2	53.6	55.7	57.5	59.2	60.6	62	63.2	64.3
110	42.7	42.7	42	44.8	48.1	50.9	53.4	55.5	57.3	58.9	60.4	61.7	62.9	64.1
120	42.5	42.5	41.8	44.6	47.8	50.7	53.1	55.2	57	58.7	60.1	61.5	62.7	63.8
130	42.2	42.2	41.5	44.3	47.6	50.5	52.9	55	56.8	58.4	59.9	61.2	62.4	63.5
140	42	42	41.3	44.1	47.4	50.2	52.6	54.7	56.5	58.2	59.6	61	62.2	63.3
150	41.8	41.8	41	43.9	47.1	50	52.4	54.5	56.3	57.9	59.4	60.7	61.9	63
160	41.5	41.5	40.8	43.6	46.9	49.7	52.2	54.2	56.1	57.7	59.1	60.5	61.7	62.8
170	41.3	41.3	40.6	43.4	46.7	49.5	51.9	54	55.8	57.5	58.9	60.2	61.4	62.6
180	41.1	41.1	40.4	43.2	46.4	49.3	51.7	53.8	55.6	57.2	58.7	60	61.2	62.3
190	40.9	40.9	40.2	43	46.2	49.1	51.5	53.6	55.4	57	58.5	59.8	61	62.1
200	40.7	40.7	39.9	42.8	46	48.9	51.3	53.4	55.2	56.8	58.2	59.6	60.8	61.9
210	40.5	40.5	39.7	42.6	45.8	48.7	51.1	53.2	55	56.6	58	59.4	60.6	61.7
220	40.3	40.3	39.5	42.3	45.6	48.5	50.9	53	54.8	56.4	57.8	59.2	60.4	61.5
230	40.1	40.1	39.3	42.2	45.4	48.3	50.7	52.8	54.6	56.2	57.6	59	60.2	61.3
240	39.9	39.9	39.1	42	45.2	48.1	50.5	52.6	54.4	56	57.5	58.8	60	61.1
250	39.7	39.7	39	41.8	45	47.9	50.3	52.4	54.2	55.8	57.3	58.6	59.8	60.9
260	39.5	39.5	38.8	41.6	44.8	47.7	50.1	52.2	54	55.6	57.1	58.4	59.6	60.7
270	39.3	39.3	38.6	41.4	44.7	47.5	49.9	52	53.8	55.5	56.9	58.2	59.4	60.6
280	39.1	39.1	38.4	41.2	44.5	47.3	49.8	51.8	53.7	55.3	56.7	58.1	59.3	60.4
290	39	39	38.3	41.1	44.3	47.2	49.6	51.7	53.5	55.1	56.6	57.9	59.1	60.2
300	38.8	38.8	38.1	40.9	44.2	47	49.4	51.5	53.3	54.9	56.4	57.7	58.9	60.1

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	43.1	43.1	42.4	45.2	48.5	51.4	53.8	55.9	57.7	59.3	60.8	62.1	63.3	64.5
50	43.7	43.7	43	45.8	49.1	52	54.4	56.5	58.3	59.9	61.4	62.7	64	65.1
60	43.6	43.6	42.9	45.7	49	51.8	54.3	56.4	58.2	59.8	61.3	62.6	63.8	64.9
70	43.1	43.1	42.4	45.2	48.5	51.4	53.8	55.9	57.7	59.4	60.8	62.1	63.4	64.5
80	42.7	42.7	42	44.8	48.1	51	53.4	55.5	57.3	59	60.4	61.8	63	64.1
90	42.4	42.4	41.7	44.5	47.8	50.7	53.1	55.2	57.1	58.7	60.2	61.5	62.7	63.9
100	42.2	42.2	41.5	44.3	47.6	50.4	52.9	55	56.8	58.4	59.9	61.2	62.5	63.6
110	41.9	41.9	41.2	44	47.3	50.2	52.6	54.7	56.5	58.2	59.6	61	62.2	63.3
120	41.7	41.7	41	43.8	47.1	49.9	52.4	54.5	56.3	57.9	59.4	60.7	61.9	63.1
130	41.5	41.5	40.8	43.6	46.8	49.7	52.1	54.2	56.1	57.7	59.1	60.5	61.7	62.8
140	41.2	41.2	40.5	43.4	46.6	49.5	51.9	54	55.8	57.4	58.9	60.2	61.5	62.6
150	41	41	40.3	43.1	46.4	49.2	51.7	53.8	55.6	57.2	58.7	60	61.2	62.3
160	40.8	40.8	40.1	42.9	46.2	49	51.4	53.5	55.4	57	58.4	59.8	61	62.1
170	40.6	40.6	39.9	42.7	45.9	48.8	51.2	53.3	55.1	56.7	58.2	59.5	60.7	61.9
180	40.3	40.3	39.6	42.5	45.7	48.6	51	53.1	54.9	56.5	58	59.3	60.5	61.7
190	40.1	40.1	39.4	42.2	45.5	48.4	50.8	52.9	54.7	56.3	57.8	59.1	60.3	61.4
200	39.9	39.9	39.2	42	45.3	48.2	50.6	52.7	54.5	56.1	57.6	58.9	60.1	61.2
210	39.7	39.7	39	41.8	45.1	47.9	50.4	52.5	54.3	55.9	57.4	58.7	59.9	61
220	39.5	39.5	38.8	41.6	44.9	47.7	50.2	52.3	54.1	55.7	57.2	58.5	59.7	60.8
230	39.3	39.3	38.6	41.4	44.7	47.6	50	52.1	53.9	55.5	57	58.3	59.5	60.6
240	39.2	39.2	38.4	41.3	44.5	47.4	49.8	51.9	53.7	55.3	56.8	58.1	59.3	60.4
250	39	39	38.3	41.1	44.3	47.2	49.6	51.7	53.5	55.1	56.6	57.9	59.1	60.2
260	38.8	38.8	38.1	40.9	44.2	47	49.4	51.5	53.3	54.9	56.4	57.7	58.9	60.1
270	38.6	38.6	37.9	40.7	44	46.8	49.2	51.3	53.2	54.8	56.2	57.6	58.8	59.9
280	38.4	38.4	37.7	40.5	43.8	46.7	49.1	51.2	53	54.6	56.1	57.4	58.6	59.7
290	38.3	38.3	37.6	40.4	43.6	46.5	48.9	51	52.8	54.4	55.9	57.2	58.4	59.6
300	38.1	38.1	37.4	40.2	43.5	46.3	48.7	50.8	52.7	54.3	55.7	57.1	58.3	59.4

* 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	64.1	64.1	63.4	66.1	69.4	72.2	74.5	76.6	78.4	80	81.4	82.7	83.9	85
20	61.5	61.5	60.8	63.5	66.7	69.6	71.9	74	75.8	77.3	78.8	80.1	81.2	82.3
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	42.5	42.5	41.7	44.6	47.8	50.7	53.1	55.2	57	58.6	60.1	61.4	62.6	63.8
50	43.1	43.1	42.4	45.2	48.5	51.3	53.8	55.9	57.7	59.3	60.8	62.1	63.3	64.5
60	43	43	42.3	45.1	48.4	51.2	53.7	55.7	57.6	59.2	60.7	62	63.2	64.3
70	42.5	42.5	41.8	44.6	47.9	50.7	53.2	55.3	57.1	58.7	60.2	61.5	62.7	63.9
80	42	42	41.3	44.2	47.5	50.3	52.8	54.9	56.7	58.3	59.8	61.1	62.4	63.5
90	41.7	41.7	41	43.9	47.1	50	52.4	54.5	56.4	58	59.5	60.8	62.1	63.2
100	41.5	41.5	40.8	43.6	46.9	49.7	52.2	54.3	56.1	57.7	59.2	60.6	61.8	62.9
110	41.2	41.2	40.5	43.4	46.6	49.5	51.9	54	55.9	57.5	59	60.3	61.5	62.7
120	41	41	40.3	43.1	46.4	49.3	51.7	53.8	55.6	57.3	58.7	60.1	61.3	62.4
130	40.8	40.8	40.1	42.9	46.2	49	51.5	53.6	55.4	57	58.5	59.8	61	62.2
140	40.5	40.5	39.8	42.7	45.9	48.8	51.2	53.3	55.1	56.8	58.2	59.6	60.8	61.9
150	40.3	40.3	39.6	42.4	45.7	48.6	51	53.1	54.9	56.5	58	59.3	60.6	61.7
160	40.1	40.1	39.4	42.2	45.5	48.3	50.8	52.9	54.7	56.3	57.8	59.1	60.3	61.5
170	39.9	39.9	39.2	42	45.3	48.1	50.6	52.6	54.5	56.1	57.6	58.9	60.1	61.2
180	39.7	39.7	39	41.8	45.1	47.9	50.3	52.4	54.3	55.9	57.3	58.7	59.9	61
190	39.5	39.5	38.8	41.6	44.9	47.7	50.1	52.2	54	55.7	57.1	58.5	59.7	60.8
200	39.3	39.3	38.6	41.4	44.6	47.5	49.9	52	53.8	55.5	56.9	58.3	59.5	60.6
210	39.1	39.1	38.4	41.2	44.4	47.3	49.7	51.8	53.6	55.3	56.7	58	59.3	60.4
220	38.9	38.9	38.2	41	44.3	47.1	49.5	51.6	53.4	55.1	56.5	57.9	59.1	60.2
230	38.7	38.7	38	40.8	44.1	46.9	49.3	51.4	53.3	54.9	56.3	57.7	58.9	60
240	38.5	38.5	37.8	40.6	43.9	46.7	49.2	51.2	53.1	54.7	56.1	57.5	58.7	59.8
250	38.3	38.3	37.6	40.4	43.7	46.6	49	51.1	52.9	54.5	56	57.3	58.5	59.6
260	38.1	38.1	37.4	40.3	43.5	46.4	48.8	50.9	52.7	54.3	55.8	57.1	58.3	59.5
270	38	38	37.3	40.1	43.3	46.2	48.6	50.7	52.5	54.2	55.6	56.9	58.2	59.3
280	37.8	37.8	37.1	39.9	43.2	46	48.5	50.5	52.4	54	55.4	56.8	58	59.1
290	37.6	37.6	36.9	39.7	43	45.9	48.3	50.4	52.2	53.8	55.3	56.6	57.8	59
300	37.5	37.5	36.8	39.6	42.8	45.7	48.1	50.2	52	53.7	55.1	56.4	57.7	58.8

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	49.4	48.7	51.5	54.8	57.6	60	62.1	64	65.6	67	68.4	69.6	70.7
50	48.5	48.5	47.8	50.7	53.9	56.8	59.2	61.3	63.2	64.8	66.3	67.6	68.8	70
60	47.7	47.7	47	49.8	53.1	56	58.4	60.5	62.4	64	65.5	66.8	68.1	69.2
70	46.9	46.9	46.2	49	52.3	55.2	57.7	59.8	61.6	63.2	64.7	66.1	67.3	68.5
80	46.1	46.1	45.5	48.3	51.6	54.5	56.9	59	60.9	62.5	64	65.4	66.6	67.7
90	45.5	45.5	44.8	47.6	50.9	53.8	56.3	58.4	60.2	61.9	63.4	64.7	66	67.1
100	44.8	44.8	44.2	47	50.3	53.2	55.6	57.8	59.6	61.3	62.8	64.1	65.4	66.5
110	44.3	44.3	43.6	46.4	49.7	52.6	55.1	57.2	59.1	60.7	62.2	63.6	64.8	66
120	43.7	43.7	43.1	45.9	49.2	52.1	54.6	56.7	58.6	60.2	61.7	63.1	64.3	65.5
130	43.3	43.3	42.6	45.5	48.8	51.7	54.1	56.3	58.1	59.8	61.3	62.6	63.9	65
140	42.8	42.8	42.2	45	48.3	51.2	53.7	55.8	57.7	59.4	60.9	62.2	63.5	64.6
150	42.4	42.4	41.8	44.6	48	50.8	53.3	55.4	57.3	59	60.5	61.8	63.1	64.3
160	42.1	42.1	41.4	44.3	47.6	50.5	53	55.1	56.9	58.6	60.1	61.5	62.7	63.9
170	41.7	41.7	41.1	43.9	47.2	50.1	52.6	54.7	56.6	58.3	59.8	61.1	62.4	63.6
180	41.4	41.4	40.8	43.6	46.9	49.8	52.3	54.4	56.3	58	59.5	60.8	62.1	63.2
190	41.1	41.1	40.5	43.3	46.6	49.5	52	54.1	56	57.7	59.2	60.5	61.8	63
200	40.8	40.8	40.2	43	46.4	49.3	51.7	53.9	55.7	57.4	58.9	60.3	61.5	62.7
210	40.6	40.6	39.9	42.8	46.1	49	51.5	53.6	55.5	57.1	58.6	60	61.3	62.4
220	40.3	40.3	39.7	42.5	45.8	48.7	51.2	53.3	55.2	56.9	58.4	59.8	61	62.2
230	40.1	40.1	39.4	42.3	45.6	48.5	51	53.1	55	56.7	58.2	59.5	60.8	62
240	39.9	39.9	39.2	42.1	45.4	48.3	50.8	52.9	54.8	56.4	57.9	59.3	60.6	61.7
250	39.7	39.7	39	41.9	45.2	48.1	50.6	52.7	54.6	56.2	57.7	59.1	60.4	61.5
260	39.5	39.5	38.8	41.7	45	47.9	50.4	52.5	54.4	56	57.5	58.9	60.2	61.3
270	39.3	39.3	38.6	41.5	44.8	47.7	50.2	52.3	54.2	55.8	57.3	58.7	60	61.1
280	39.1	39.1	38.4	41.3	44.6	47.5	50	52.1	54	55.7	57.2	58.5	59.8	61
290	38.9	38.9	38.2	41.1	44.4	47.3	49.8	51.9	53.8	55.5	57	58.3	59.6	60.8
300	38.7	38.7	38.1	40.9	44.3	47.2	49.6	51.8	53.6	55.3	56.8	58.2	59.4	60.6

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	48.2	47.5	50.3	53.6	56.4	58.8	60.9	62.7	64.4	65.8	67.2	68.4	69.5
50	47.4	47.4	46.7	49.5	52.8	55.7	58.1	60.2	62	63.7	65.1	66.5	67.7	68.8
60	46.7	46.7	46	48.9	52.1	55	57.5	59.6	61.4	63	64.5	65.9	67.1	68.2
70	46	46	45.4	48.2	51.5	54.4	56.8	58.9	60.7	62.4	63.9	65.2	66.4	67.6
80	45.4	45.4	44.7	47.5	50.8	53.7	56.2	58.3	60.1	61.8	63.2	64.6	65.8	67
90	44.8	44.8	44.1	46.9	50.2	53.1	55.6	57.7	59.5	61.2	62.7	64	65.2	66.4
100	44.2	44.2	43.5	46.4	49.7	52.6	55	57.1	59	60.6	62.1	63.5	64.7	65.9
110	43.7	43.7	43	45.9	49.1	52	54.5	56.6	58.5	60.1	61.6	63	64.2	65.4
120	43.2	43.2	42.5	45.4	48.7	51.6	54	56.1	58	59.7	61.1	62.5	63.8	64.9
130	42.7	42.7	42.1	44.9	48.2	51.1	53.6	55.7	57.6	59.2	60.7	62.1	63.3	64.5
140	42.3	42.3	41.6	44.5	47.8	50.7	53.2	55.3	57.2	58.8	60.3	61.7	62.9	64.1
150	41.9	41.9	41.3	44.1	47.4	50.3	52.8	54.9	56.8	58.4	59.9	61.3	62.6	63.7
160	41.6	41.6	40.9	43.8	47.1	50	52.4	54.6	56.4	58.1	59.6	61	62.2	63.4
170	41.2	41.2	40.6	43.4	46.7	49.6	52.1	54.2	56.1	57.8	59.3	60.6	61.9	63.1
180	40.9	40.9	40.2	43.1	46.4	49.3	51.8	53.9	55.8	57.5	59	60.3	61.6	62.7
190	40.6	40.6	40	42.8	46.1	49	51.5	53.6	55.5	57.2	58.7	60	61.3	62.5
200	40.3	40.3	39.7	42.5	45.9	48.8	51.2	53.4	55.2	56.9	58.4	59.8	61	62.2
210	40.1	40.1	39.4	42.3	45.6	48.5	51	53.1	55	56.6	58.1	59.5	60.8	61.9
220	39.8	39.8	39.2	42	45.4	48.3	50.7	52.9	54.7	56.4	57.9	59.3	60.5	61.7
230	39.6	39.6	38.9	41.8	45.1	48	50.5	52.6	54.5	56.2	57.7	59	60.3	61.5
240	39.4	39.4	38.7	41.6	44.9	47.8	50.3	52.4	54.3	55.9	57.4	58.8	60.1	61.2
250	39.2	39.2	38.5	41.4	44.7	47.6	50.1	52.2	54.1	55.7	57.2	58.6	59.9	61
260	39	39	38.3	41.2	44.5	47.4	49.9	52	53.9	55.5	57	58.4	59.7	60.8
270	38.8	38.8	38.1	41	44.3	47.2	49.7	51.8	53.7	55.3	56.8	58.2	59.5	60.6
280	38.6	38.6	37.9	40.8	44.1	47	49.5	51.6	53.5	55.2	56.7	58	59.3	60.5
290	38.4	38.4	37.7	40.6	43.9	46.8	49.3	51.4	53.3	55	56.5	57.9	59.1	60.3
300	38.2	38.2	37.6	40.4	43.8	46.7	49.1	51.3	53.1	54.8	56.3	57.7	58.9	60.1

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	47	46.3	49.1	52.4	55.2	57.6	59.7	61.6	63.2	64.6	66	67.2	68.3
50	46.3	46.3	45.6	48.4	51.7	54.5	57	59.1	60.9	62.5	64	65.3	66.6	67.7
60	45.6	45.6	45	47.8	51.1	53.9	56.4	58.5	60.3	62	63.4	64.8	66	67.2
70	45	45	44.3	47.2	50.5	53.3	55.8	57.9	59.7	61.4	62.9	64.2	65.4	66.6
80	44.4	44.4	43.8	46.6	49.9	52.8	55.2	57.3	59.2	60.8	62.3	63.6	64.9	66
90	43.9	43.9	43.2	46	49.3	52.2	54.7	56.8	58.6	60.3	61.8	63.1	64.4	65.5
100	43.4	43.4	42.7	45.5	48.8	51.7	54.2	56.3	58.1	59.8	61.3	62.6	63.9	65
110	42.9	42.9	42.2	45	48.3	51.2	53.7	55.8	57.7	59.3	60.8	62.1	63.4	64.5
120	42.4	42.4	41.7	44.6	47.9	50.8	53.2	55.4	57.2	58.9	60.4	61.7	63	64.1
130	42	42	41.3	44.2	47.5	50.4	52.8	54.9	56.8	58.5	59.9	61.3	62.6	63.7
140	41.6	41.6	40.9	43.8	47.1	50	52.4	54.5	56.4	58.1	59.6	60.9	62.2	63.3
150	41.2	41.2	40.5	43.4	46.7	49.6	52.1	54.2	56	57.7	59.2	60.6	61.8	63
160	40.9	40.9	40.2	43.1	46.4	49.3	51.7	53.8	55.7	57.4	58.9	60.2	61.5	62.7
170	40.5	40.5	39.9	42.7	46	48.9	51.4	53.5	55.4	57.1	58.6	59.9	61.2	62.3
180	40.2	40.2	39.6	42.4	45.7	48.6	51.1	53.2	55.1	56.8	58.3	59.6	60.9	62
190	39.9	39.9	39.3	42.1	45.4	48.3	50.8	52.9	54.8	56.5	58	59.3	60.6	61.8
200	39.7	39.7	39	41.9	45.2	48.1	50.5	52.7	54.5	56.2	57.7	59.1	60.3	61.5
210	39.4	39.4	38.7	41.6	44.9	47.8	50.3	52.4	54.3	56	57.5	58.8	60.1	61.3
220	39.2	39.2	38.5	41.4	44.7	47.6	50.1	52.2	54.1	55.7	57.2	58.6	59.8	61
230	38.9	38.9	38.3	41.1	44.5	47.4	49.8	52	53.8	55.5	57	58.4	59.6	60.8
240	38.7	38.7	38.1	40.9	44.2	47.1	49.6	51.7	53.6	55.3	56.8	58.1	59.4	60.6
250	38.5	38.5	37.8	40.7	44	46.9	49.4	51.5	53.4	55.1	56.6	57.9	59.2	60.4
260	38.3	38.3	37.6	40.5	43.8	46.7	49.2	51.3	53.2	54.9	56.4	57.7	59	60.2
270	38.1	38.1	37.4	40.3	43.6	46.5	49	51.1	53	54.7	56.2	57.5	58.8	60
280	37.9	37.9	37.3	40.1	43.4	46.3	48.8	51	52.8	54.5	56	57.4	58.6	59.8
290	37.7	37.7	37.1	40	43.3	46.2	48.6	50.8	52.7	54.3	55.8	57.2	58.5	59.6
300	37.6	37.6	36.9	39.8	43.1	46	48.5	50.6	52.5	54.1	55.7	57	58.3	59.5

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	45.8	45.8	45.1	47.9	51.2	54	56.5	58.6	60.4	62	63.5	64.8	66	67.2
50	45.3	45.3	44.6	47.4	50.7	53.6	56	58.1	59.9	61.6	63	64.4	65.6	66.7
60	44.7	44.7	44	46.8	50.1	53	55.4	57.5	59.4	61	62.5	63.8	65.1	66.2
70	44.1	44.1	43.4	46.3	49.5	52.4	54.9	57	58.8	60.5	61.9	63.3	64.5	65.7
80	43.5	43.5	42.9	45.7	49	51.9	54.3	56.4	58.3	59.9	61.4	62.8	64	65.2
90	43	43	42.3	45.2	48.5	51.4	53.8	55.9	57.8	59.4	60.9	62.3	63.5	64.7
100	42.5	42.5	41.8	44.7	48	50.9	53.3	55.4	57.3	58.9	60.4	61.8	63	64.2
110	42.1	42.1	41.4	44.2	47.5	50.4	52.9	55	56.8	58.5	60	61.3	62.6	63.7
120	41.6	41.6	40.9	43.8	47.1	50	52.4	54.6	56.4	58.1	59.6	60.9	62.2	63.3
130	41.2	41.2	40.5	43.4	46.7	49.6	52.1	54.2	56	57.7	59.2	60.5	61.8	62.9
140	40.8	40.8	40.2	43	46.3	49.2	51.7	53.8	55.7	57.3	58.8	60.2	61.4	62.6
150	40.5	40.5	39.8	42.7	46	48.9	51.3	53.5	55.3	57	58.5	59.8	61.1	62.2
160	40.1	40.1	39.5	42.3	45.6	48.5	51	53.1	55	56.6	58.1	59.5	60.8	61.9
170	39.8	39.8	39.2	42	45.3	48.2	50.7	52.8	54.7	56.3	57.8	59.2	60.5	61.6
180	39.5	39.5	38.9	41.7	45	47.9	50.4	52.5	54.4	56.1	57.6	58.9	60.2	61.3
190	39.3	39.3	38.6	41.5	44.8	47.7	50.1	52.3	54.1	55.8	57.3	58.7	59.9	61.1
200	39	39	38.3	41.2	44.5	47.4	49.9	52	53.9	55.5	57	58.4	59.7	60.8
210	38.7	38.7	38.1	40.9	44.3	47.1	49.6	51.7	53.6	55.3	56.8	58.2	59.4	60.6
220	38.5	38.5	37.8	40.7	44	46.9	49.4	51.5	53.4	55	56.6	57.9	59.2	60.3
230	38.3	38.3	37.6	40.5	43.8	46.7	49.2	51.3	53.2	54.8	56.3	57.7	59	60.1
240	38.1	38.1	37.4	40.3	43.6	46.5	48.9	51.1	52.9	54.6	56.1	57.5	58.7	59.9
250	37.8	37.8	37.2	40.1	43.4	46.3	48.7	50.9	52.7	54.4	55.9	57.3	58.5	59.7
260	37.6	37.6	37	39.9	43.2	46.1	48.5	50.7	52.5	54.2	55.7	57.1	58.3	59.5
270	37.5	37.5	36.8	39.7	43	45.9	48.3	50.5	52.4	54	55.5	56.9	58.2	59.3
280	37.3	37.3	36.6	39.5	42.8	45.7	48.2	50.3	52.2	53.8	55.3	56.7	58	59.1
290	37.1	37.1	36.4	39.3	42.6	45.5	48	50.1	52	53.7	55.2	56.5	57.8	59
300	36.9	36.9	36.3	39.1	42.5	45.4	47.8	50	51.8	53.5	55	56.4	57.6	58.8

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	44.7	44.7	44	46.8	50.1	52.9	55.4	57.5	59.3	60.9	62.4	63.7	64.9	66.1
50	44.4	44.4	43.7	46.6	49.9	52.7	55.2	57.3	59.1	60.7	62.2	63.5	64.8	65.9
60	43.9	43.9	43.2	46	49.3	52.2	54.6	56.7	58.6	60.2	61.7	63	64.3	65.4
70	43.3	43.3	42.6	45.4	48.7	51.6	54	56.2	58	59.6	61.1	62.5	63.7	64.9
80	42.7	42.7	42.1	44.9	48.2	51.1	53.5	55.6	57.5	59.1	60.6	62	63.2	64.4
90	42.2	42.2	41.6	44.4	47.7	50.6	53	55.1	57	58.6	60.1	61.5	62.7	63.9
100	41.8	41.8	41.1	43.9	47.2	50.1	52.6	54.7	56.5	58.2	59.7	61	62.3	63.4
110	41.3	41.3	40.6	43.5	46.8	49.7	52.1	54.3	56.1	57.8	59.3	60.6	61.9	63
120	40.9	40.9	40.2	43.1	46.4	49.3	51.7	53.9	55.7	57.4	58.9	60.2	61.5	62.6
130	40.5	40.5	39.8	42.7	46	48.9	51.3	53.5	55.3	57	58.5	59.8	61.1	62.2
140	40.2	40.2	39.5	42.3	45.6	48.5	51	53.1	55	56.6	58.1	59.5	60.7	61.9
150	39.8	39.8	39.1	42	45.3	48.2	50.7	52.8	54.6	56.3	57.8	59.2	60.4	61.6
160	39.5	39.5	38.8	41.7	45	47.9	50.3	52.5	54.3	56	57.5	58.8	60.1	61.3
170	39.2	39.2	38.5	41.4	44.7	47.6	50	52.2	54	55.7	57.2	58.5	59.8	61
180	38.9	38.9	38.2	41.1	44.4	47.3	49.8	51.9	53.7	55.4	56.9	58.3	59.5	60.7
190	38.6	38.6	38	40.8	44.1	47	49.5	51.6	53.5	55.1	56.6	58	59.3	60.4
200	38.4	38.4	37.7	40.6	43.9	46.8	49.2	51.4	53.2	54.9	56.4	57.8	59	60.2
210	38.1	38.1	37.4	40.3	43.6	46.5	49	51.1	53	54.6	56.1	57.5	58.8	59.9
220	37.9	37.9	37.2	40.1	43.4	46.3	48.8	50.9	52.8	54.4	55.9	57.3	58.5	59.7
230	37.6	37.6	37	39.9	43.2	46.1	48.5	50.7	52.5	54.2	55.7	57.1	58.3	59.5
240	37.4	37.4	36.8	39.6	42.9	45.8	48.3	50.4	52.3	54	55.5	56.9	58.1	59.3
250	37.2	37.2	36.6	39.4	42.7	45.6	48.1	50.2	52.1	53.8	55.3	56.6	57.9	59.1
260	37	37	36.4	39.2	42.5	45.4	47.9	50	51.9	53.6	55.1	56.5	57.7	58.9
270	36.8	36.8	36.2	39	42.4	45.3	47.7	49.9	51.7	53.4	54.9	56.3	57.5	58.7
280	36.6	36.6	36	38.9	42.2	45.1	47.5	49.7	51.5	53.2	54.7	56.1	57.3	58.5
290	36.5	36.5	35.8	38.7	42	44.9	47.4	49.5	51.4	53	54.5	55.9	57.2	58.3
300	36.3	36.3	35.6	38.5	41.8	44.7	47.2	49.3	51.2	52.9	54.4	55.7	57	58.2

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	43.6	43.6	42.9	45.8	49	51.9	54.3	56.4	58.3	59.9	61.4	62.7	63.9	65
50	43.7	43.7	43	45.8	49.1	52	54.4	56.5	58.4	60	61.5	62.8	64	65.2
60	43.2	43.2	42.5	45.3	48.6	51.5	53.9	56	57.8	59.5	61	62.3	63.5	64.7
70	42.6	42.6	41.9	44.7	48	50.9	53.3	55.4	57.3	58.9	60.4	61.7	63	64.1
80	42	42	41.3	44.2	47.5	50.3	52.8	54.9	56.7	58.4	59.9	61.2	62.5	63.6
90	41.5	41.5	40.8	43.7	47	49.9	52.3	54.4	56.3	57.9	59.4	60.8	62	63.2
100	41.1	41.1	40.4	43.2	46.5	49.4	51.9	54	55.8	57.5	59	60.3	61.6	62.7
110	40.6	40.6	40	42.8	46.1	49	51.5	53.6	55.4	57.1	58.6	59.9	61.2	62.3
120	40.2	40.2	39.6	42.4	45.7	48.6	51.1	53.2	55	56.7	58.2	59.6	60.8	62
130	39.9	39.9	39.2	42.1	45.4	48.2	50.7	52.8	54.7	56.3	57.8	59.2	60.4	61.6
140	39.5	39.5	38.8	41.7	45	47.9	50.4	52.5	54.3	56	57.5	58.8	60.1	61.3
150	39.2	39.2	38.5	41.4	44.7	47.6	50	52.1	54	55.7	57.2	58.5	59.8	60.9
160	38.9	38.9	38.2	41.1	44.4	47.2	49.7	51.8	53.7	55.4	56.9	58.2	59.5	60.6
170	38.6	38.6	37.9	40.8	44.1	47	49.4	51.5	53.4	55.1	56.6	57.9	59.2	60.3
180	38.3	38.3	37.6	40.5	43.8	46.7	49.1	51.3	53.1	54.8	56.3	57.7	58.9	60.1
190	38	38	37.3	40.2	43.5	46.4	48.9	51	52.9	54.5	56	57.4	58.7	59.8
200	37.8	37.8	37.1	40	43.3	46.2	48.6	50.8	52.6	54.3	55.8	57.1	58.4	59.6
210	37.5	37.5	36.8	39.7	43	45.9	48.4	50.5	52.4	54	55.5	56.9	58.2	59.3
220	37.3	37.3	36.6	39.5	42.8	45.7	48.2	50.3	52.1	53.8	55.3	56.7	57.9	59.1
230	37	37	36.4	39.3	42.6	45.5	47.9	50.1	51.9	53.6	55.1	56.5	57.7	58.9
240	36.8	36.8	36.2	39	42.3	45.2	47.7	49.8	51.7	53.4	54.9	56.2	57.5	58.7
250	36.6	36.6	36	38.8	42.1	45	47.5	49.6	51.5	53.2	54.7	56	57.3	58.5
260	36.4	36.4	35.8	38.6	41.9	44.8	47.3	49.4	51.3	53	54.5	55.9	57.1	58.3
270	36.2	36.2	35.6	38.4	41.8	44.7	47.1	49.3	51.1	52.8	54.3	55.7	56.9	58.1
280	36.1	36.1	35.4	38.3	41.6	44.5	46.9	49.1	50.9	52.6	54.1	55.5	56.7	57.9
290	35.9	35.9	35.2	38.1	41.4	44.3	46.8	48.9	50.8	52.4	53.9	55.3	56.6	57.7
300	35.7	35.7	35	37.9	41.2	44.1	46.6	48.7	50.6	52.3	53.8	55.1	56.4	57.6

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	42.7	42.7	42	44.8	48.1	50.9	53.4	55.4	57.3	58.9	60.4	61.7	62.9	64.1
50	43	43	42.3	45.1	48.4	51.3	53.7	55.8	57.7	59.3	60.8	62.1	63.4	64.5
60	42.5	42.5	41.9	44.7	48	50.8	53.3	55.4	57.2	58.8	60.3	61.7	62.9	64
70	41.9	41.9	41.2	44.1	47.3	50.2	52.7	54.8	56.6	58.3	59.7	61.1	62.3	63.5
80	41.3	41.3	40.7	43.5	46.8	49.7	52.1	54.2	56.1	57.7	59.2	60.6	61.8	63
90	40.8	40.8	40.2	43	46.3	49.2	51.6	53.8	55.6	57.3	58.8	60.1	61.4	62.5
100	40.4	40.4	39.7	42.6	45.9	48.8	51.2	53.3	55.2	56.9	58.3	59.7	60.9	62.1
110	40	40	39.3	42.2	45.5	48.4	50.8	52.9	54.8	56.5	57.9	59.3	60.6	61.7
120	39.6	39.6	38.9	41.8	45.1	48	50.4	52.6	54.4	56.1	57.6	58.9	60.2	61.3
130	39.3	39.3	38.6	41.4	44.7	47.6	50.1	52.2	54.1	55.7	57.2	58.6	59.8	61
140	38.9	38.9	38.2	41.1	44.4	47.3	49.8	51.9	53.7	55.4	56.9	58.3	59.5	60.7
150	38.6	38.6	37.9	40.8	44.1	47	49.4	51.6	53.4	55.1	56.6	57.9	59.2	60.3
160	38.3	38.3	37.6	40.5	43.8	46.7	49.1	51.3	53.1	54.8	56.3	57.6	58.9	60
170	38	38	37.3	40.2	43.5	46.4	48.8	51	52.8	54.5	56	57.3	58.6	59.8
180	37.7	37.7	37	39.9	43.2	46.1	48.6	50.7	52.6	54.2	55.7	57.1	58.3	59.5
190	37.4	37.4	36.8	39.6	42.9	45.8	48.3	50.4	52.3	54	55.5	56.8	58.1	59.2
200	37.2	37.2	36.5	39.4	42.7	45.6	48.1	50.2	52	53.7	55.2	56.6	57.8	59
210	36.9	36.9	36.3	39.1	42.5	45.3	47.8	49.9	51.8	53.5	55	56.3	57.6	58.8
220	36.7	36.7	36	38.9	42.2	45.1	47.6	49.7	51.6	53.2	54.7	56.1	57.4	58.5
230	36.5	36.5	35.8	38.7	42	44.9	47.4	49.5	51.4	53	54.5	55.9	57.1	58.3
240	36.3	36.3	35.6	38.5	41.8	44.7	47.1	49.3	51.1	52.8	54.3	55.7	56.9	58.1
250	36.1	36.1	35.4	38.3	41.6	44.5	46.9	49.1	50.9	52.6	54.1	55.5	56.7	57.9
260	35.9	35.9	35.2	38.1	41.4	44.3	46.7	48.9	50.7	52.4	53.9	55.3	56.5	57.7
270	35.7	35.7	35	37.9	41.2	44.1	46.6	48.7	50.6	52.2	53.7	55.1	56.4	57.5
280	35.5	35.5	34.8	37.7	41	43.9	46.4	48.5	50.4	52	53.5	54.9	56.2	57.3
290	35.3	35.3	34.7	37.5	40.8	43.7	46.2	48.3	50.2	51.9	53.4	54.7	56	57.2
300	35.1	35.1	34.5	37.4	40.7	43.6	46	48.2	50	51.7	53.2	54.6	55.8	57

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	41.8	41.8	41.1	43.9	47.2	50.1	52.5	54.6	56.4	58.1	59.5	60.9	62.1	63.2
50	42.4	42.4	41.7	44.5	47.8	50.7	53.1	55.2	57	58.7	60.2	61.5	62.7	63.9
60	42	42	41.3	44.1	47.4	50.2	52.7	54.8	56.6	58.3	59.7	61.1	62.3	63.4
70	41.3	41.3	40.6	43.5	46.7	49.6	52.1	54.2	56	57.7	59.1	60.5	61.7	62.9
80	40.7	40.7	40	42.9	46.2	49.1	51.5	53.6	55.5	57.1	58.6	60	61.2	62.4
90	40.2	40.2	39.6	42.4	45.7	48.6	51	53.2	55	56.7	58.2	59.5	60.8	61.9
100	39.8	39.8	39.1	42	45.3	48.2	50.6	52.7	54.6	56.3	57.7	59.1	60.4	61.5
110	39.4	39.4	38.7	41.6	44.9	47.8	50.2	52.4	54.2	55.9	57.4	58.7	60	61.1
120	39	39	38.4	41.2	44.5	47.4	49.9	52	53.9	55.5	57	58.4	59.6	60.8
130	38.7	38.7	38	40.9	44.2	47.1	49.5	51.7	53.5	55.2	56.7	58	59.3	60.4
140	38.4	38.4	37.7	40.5	43.9	46.7	49.2	51.3	53.2	54.8	56.3	57.7	59	60.1
150	38	38	37.4	40.2	43.5	46.4	48.9	51	52.9	54.5	56	57.4	58.6	59.8
160	37.7	37.7	37.1	39.9	43.2	46.1	48.6	50.7	52.6	54.2	55.7	57.1	58.3	59.5
170	37.4	37.4	36.8	39.6	42.9	45.8	48.3	50.4	52.3	53.9	55.4	56.8	58	59.2
180	37.2	37.2	36.5	39.4	42.7	45.6	48	50.1	52	53.7	55.2	56.5	57.8	58.9
190	36.9	36.9	36.2	39.1	42.4	45.3	47.8	49.9	51.8	53.4	54.9	56.3	57.5	58.7
200	36.6	36.6	36	38.8	42.2	45	47.5	49.6	51.5	53.2	54.7	56	57.3	58.4
210	36.4	36.4	35.7	38.6	41.9	44.8	47.3	49.4	51.3	52.9	54.4	55.8	57.1	58.2
220	36.2	36.2	35.5	38.4	41.7	44.6	47	49.2	51	52.7	54.2	55.6	56.8	58
230	36	36	35.3	38.2	41.5	44.4	46.8	49	50.8	52.5	54	55.4	56.6	57.8
240	35.7	35.7	35.1	37.9	41.2	44.1	46.6	48.7	50.6	52.3	53.8	55.1	56.4	57.6
250	35.5	35.5	34.9	37.7	41	43.9	46.4	48.5	50.4	52.1	53.6	54.9	56.2	57.4
260	35.3	35.3	34.7	37.5	40.8	43.7	46.2	48.3	50.2	51.9	53.4	54.7	56	57.2
270	35.1	35.1	34.5	37.3	40.7	43.6	46	48.2	50	51.7	53.2	54.6	55.8	57
280	35	35	34.3	37.2	40.5	43.4	45.8	48	49.8	51.5	53	54.4	55.6	56.8
290	34.8	34.8	34.1	37	40.3	43.2	45.7	47.8	49.7	51.3	52.8	54.2	55.5	56.6
300	34.6	34.6	33.9	36.8	40.1	43	45.5	47.6	49.5	51.2	52.7	54	55.3	56.5

* 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	63.6	63.6	62.9	65.7	68.9	71.7	74.1	76.1	77.9	79.5	80.9	82.2	83.4	84.5
20	59.2	59.2	58.5	61.3	64.5	67.3	69.7	71.8	73.6	75.2	76.6	77.9	79.1	80.2
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	41.1	41.1	40.4	43.2	46.5	49.4	51.8	53.9	55.7	57.4	58.8	60.2	61.4	62.5
50	41.8	41.8	41.1	43.9	47.2	50.1	52.5	54.6	56.4	58.1	59.6	60.9	62.1	63.3
60	41.4	41.4	40.7	43.6	46.8	49.7	52.2	54.3	56.1	57.7	59.2	60.5	61.8	62.9
70	40.8	40.8	40.1	42.9	46.2	49.1	51.5	53.6	55.5	57.1	58.6	59.9	61.2	62.3
80	40.2	40.2	39.5	42.3	45.6	48.5	51	53.1	54.9	56.6	58.1	59.4	60.7	61.8
90	39.7	39.7	39	41.9	45.2	48	50.5	52.6	54.5	56.1	57.6	59	60.2	61.4
100	39.3	39.3	38.6	41.4	44.7	47.6	50.1	52.2	54.1	55.7	57.2	58.6	59.8	61
110	38.9	38.9	38.2	41.1	44.4	47.2	49.7	51.8	53.7	55.3	56.8	58.2	59.4	60.6
120	38.5	38.5	37.8	40.7	44	46.9	49.3	51.5	53.3	55	56.5	57.8	59.1	60.2
130	38.2	38.2	37.5	40.4	43.7	46.5	49	51.1	53	54.6	56.1	57.5	58.7	59.9
140	37.8	37.8	37.2	40	43.3	46.2	48.7	50.8	52.7	54.3	55.8	57.2	58.4	59.6
150	37.5	37.5	36.8	39.7	43	45.9	48.4	50.5	52.3	54	55.5	56.9	58.1	59.3
160	37.2	37.2	36.5	39.4	42.7	45.6	48.1	50.2	52	53.7	55.2	56.6	57.8	59
170	36.9	36.9	36.3	39.1	42.4	45.3	47.8	49.9	51.8	53.4	54.9	56.3	57.5	58.7
180	36.7	36.7	36	38.8	42.2	45	47.5	49.6	51.5	53.2	54.7	56	57.3	58.4
190	36.4	36.4	35.7	38.6	41.9	44.8	47.2	49.4	51.2	52.9	54.4	55.8	57	58.2
200	36.1	36.1	35.5	38.3	41.6	44.5	47	49.1	51	52.7	54.2	55.5	56.8	57.9
210	35.9	35.9	35.2	38.1	41.4	44.3	46.8	48.9	50.8	52.4	53.9	55.3	56.5	57.7
220	35.7	35.7	35	37.9	41.2	44.1	46.5	48.7	50.5	52.2	53.7	55.1	56.3	57.5
230	35.5	35.5	34.8	37.6	41	43.9	46.3	48.4	50.3	52	53.5	54.8	56.1	57.3
240	35.2	35.2	34.6	37.4	40.7	43.6	46.1	48.2	50.1	51.8	53.3	54.6	55.9	57.1
250	35	35	34.4	37.2	40.5	43.4	45.9	48	49.9	51.6	53.1	54.4	55.7	56.9
260	34.8	34.8	34.2	37	40.3	43.2	45.7	47.8	49.7	51.4	52.9	54.2	55.5	56.7
270	34.6	34.6	34	36.8	40.1	43	45.5	47.6	49.5	51.2	52.7	54	55.3	56.5
280	34.5	34.5	33.8	36.7	40	42.9	45.3	47.5	49.3	51	52.5	53.9	55.1	56.3
290	34.3	34.3	33.6	36.5	39.8	42.7	45.2	47.3	49.2	50.8	52.3	53.7	55	56.1
300	34.1	34.1	33.4	36.3	39.6	42.5	45	47.1	49	50.7	52.2	53.5	54.8	55.9

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

REFERENCES

1. Anderson, Grant A., Cynthia S.Y. Lee, Gregg G. Fleming, Christopher W. Menge. FHWA Traffic Noise Model (FHWA TNM[®]), Version 1.0: User's Guide. Report No. FHWA-PD-96-009 and DOT-VNTSC-FHWA-98-1. Cambridge, MA: U.S. Department of Transportation, John A. Volpe Transportation Systems Center, Acoustics Facility, January 1998.
2. Lau, Michael C., Cynthia S.Y. Lee, Judith L. Rochat, Eric R. Boeker, Gregg G. Fleming. FHWA Traffic Noise Model (FHWA TNM[®]) User's Guide (Version 2.5 Addendum). Report No. FHWA-PD-96-009 Addendum and DOT-VNTSC-FHWA-98-1 Addendum. Cambridge, MA: U.S. Department of Transportation, John A. Volpe Transportation Systems Center, Acoustics Facility, April 2004.
3. Menge, Christopher W., Christopher J. Rossano, Grant S. Anderson, Christopher J. Bajdek. FHWA Traffic Noise Model[®], Version 1.0: Technical Manual. Report No. FHWA-PD-96-010 and DOT-VNTSC-FHWA-98-2. Cambridge, MA: U.S. Department of Transportation, John A. Volpe Transportation Systems Center, Acoustics Facility, February 1998.
4. Boeker, Eric R., Judith L. Rochat, Christopher W. Menge, Christopher F. Rossano, Grant S. Anderson, Christopher J. Bajdek. Update to the FHWA TNM Technical Manual. http://www.trafficnoisemodel.org/Version_25.html. Cambridge, MA: U.S. Department of Transportation, John A. Volpe Transportation Systems Center, Acoustics Facility, April 2004.
5. Fleming, Gregg G., Amanda S. Rapoza, Cynthia S.Y. Lee. Development of National Reference Energy Mean Emission Levels for the FHWA Traffic Noise Model, Version 1.0. Report No. FHWA-PD-96-008 and DOT-VNTSC-FHWA-96-2. Cambridge, MA: U.S. Department of Transportation, John A. Volpe Transportation Systems Center, Acoustics Facility, November 1995.