

Appendix B – Conceptual Noise Policy Table for New Developments

DRAFT - Roadway Noise Attenuation Measures

Posted Speed (km/h)	Ultimate Buildout Traffic Forecast					
	Less than 5,000	5,000 to 7,499	7,500 to 9,999	10,000 to 14,999	15,000 to 24,999	25,000+
50	N/A				<ul style="list-style-type: none"> Noise Attenuation -or- 30m Setback 	<ul style="list-style-type: none"> Noise Attenuation -or- 60m Setback for <= 49,999 vpd -or- 120m Setback for => 50,000vpd
60	N/A				<ul style="list-style-type: none"> Noise Attenuation -or- 60m Setback 	<ul style="list-style-type: none"> Noise Attenuation -or- 60m Setback for <= 39,999 vpd -or- 120m Setback for => 40,000vpd
70	N/A		<ul style="list-style-type: none"> Noise Attenuation -or- 45m Setback 	<ul style="list-style-type: none"> Noise Attenuation -or- 60m Setback 		<ul style="list-style-type: none"> Noise Attenuation -or- 60m Setback for <= 32,999 vpd -or- 120m Setback for => 33,000vpd
80	N/A	<ul style="list-style-type: none"> Noise Attenuation -or- 45m Setback 		<ul style="list-style-type: none"> Noise Attenuation -or- 60m Setback 		<ul style="list-style-type: none"> Noise Attenuation -or- 120m Setback
100+	N/A	<ul style="list-style-type: none"> Noise Attenuation -or- 60m Setback 		<ul style="list-style-type: none"> Noise Attenuation -or- 120m Setback 		<ul style="list-style-type: none"> Noise Attenuation -or- 240m Setback

Definitions:

Ultimate Buildout -- The year in which the subdivision and all neighbourhoods affecting traffic on the road in question are fully developed.

Posted Speed -- This is the legal speed limit at the time of development or as known future plans. Should the speed limit change in the future it may be necessary to analyze the need for noise attenuation using both speed limits.

Setback-- This is the area prohibited of development measured from the centerline of the adjacent road to the property line of residential homes.

Noise Attenuation -- Noise Attenuation can be provided in any of the following forms:

- Noise wall --- Can be any concrete, vinyl or composite wood/concrete provided it meets the following criteria:

- maintenance free for 25 years and has a life span of 50 years or more

(Maintenance includes any work required to make the noise wall technically sound. Example include but are not limited to: replastering to fill cracks in the wall in case of a concrete or masonry wall, filling of holes underneath noise walls due to erosion, etc...)

- Reduces Noise level by a minimum of 5dBA

- No gaps underneath the wall and the ground elevation

Earth berm -- Can be installed alone or in combination with a noise wall. Earth berm should have a security fence, subdivision wall or security fence mounted on it

Setback - Residential properties should be setback from the center of the road by the amount indicated. Buffering with insensitive land uses (industrial uses, commercial uses or green space) may occur in the setback, subject to other policies and standards.