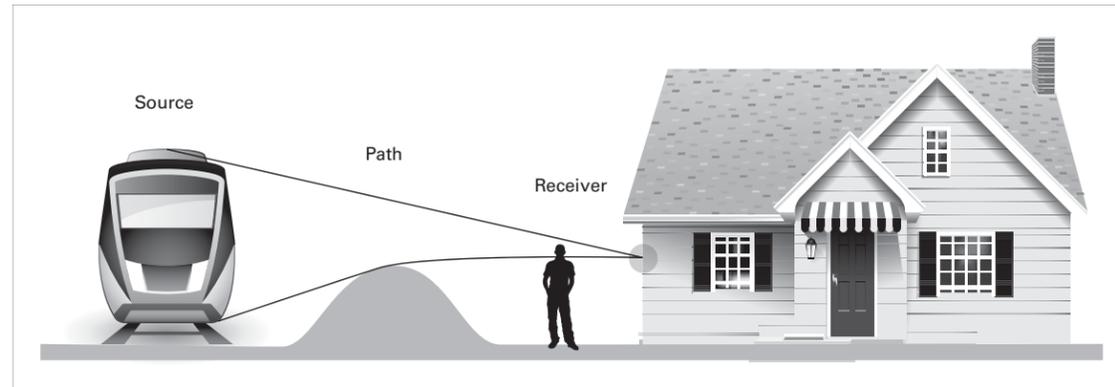


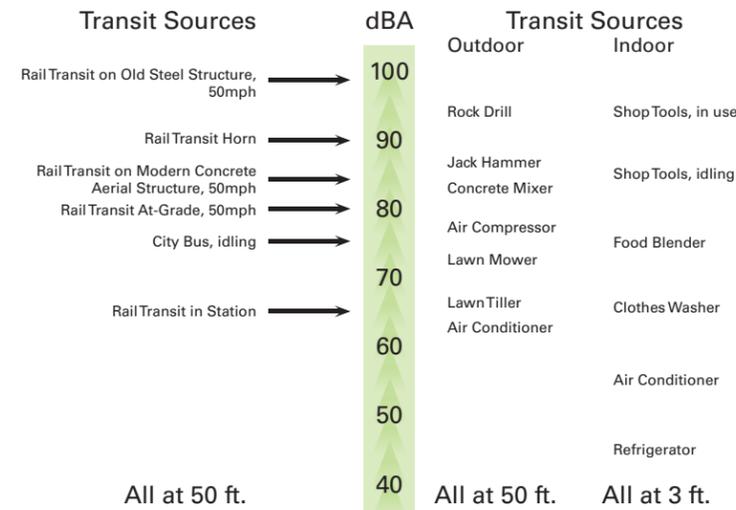
Noise

DEIS (Draft Environmental Impact Statement)

The Source-Path Receiver Framework



Typical Sound Levels



The figure illustrates existing noise exposure and project-related noise exposure, and demonstrates that FTA noise impact thresholds vary with existing noise levels.

Source: FTA, "Transit Noise and Vibration Impact Assessment" (May 2006)

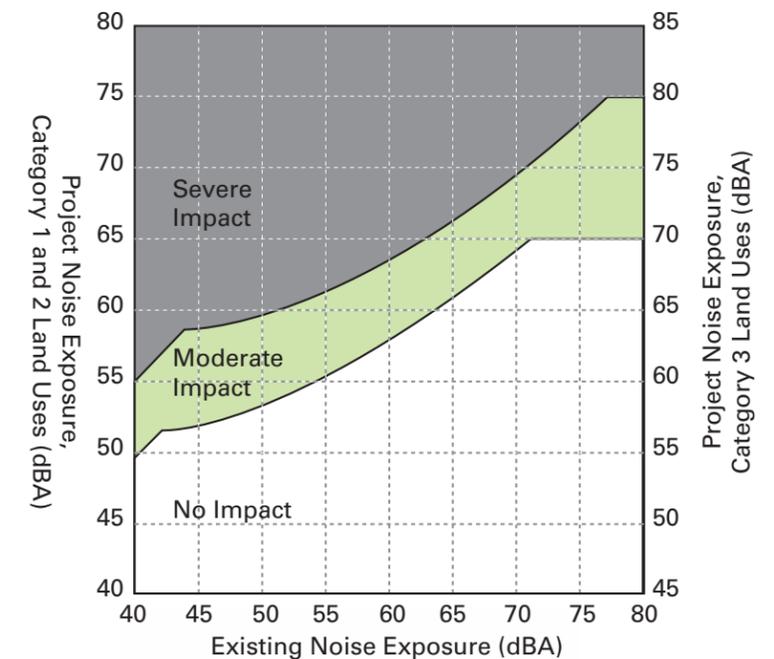
Land-Use Categories and Metrics for Transit Noise Impact Criteria

1	Outdoor Leq(h) ^a	Tracts of land where quiet is an essential element in their intended purpose. This category includes lands set aside for serenity and quiet, and such land uses as outdoor amphitheatres and concert pavilions, as well as national historic landmarks with significant outdoor use. Also included are recording studios and concert halls.
2	Outdoor Ldn	Residences and buildings where people normally sleep. This category includes homes, hospitals, and hotels where a nighttime sensitivity to noise is assumed to be of utmost importance.
3	Outdoor Leq(h) ^a	Institutional land uses with primarily daytime and evening use. This category includes schools, libraries, and churches where it is important to avoid interference with such activities as speech, meditation, and concentration on reading material. Places for meditation or study associated with cemeteries, monuments, museums, campgrounds and recreational facilities can also be considered to be in this category. Certain historical sites and parks are also included.

Source: FTA, "Transit Noise and Vibration Impact Assessment" (May 2006)
^a Leq for the noisiest hour of transit-related activity during hours of noise sensitivity.

Noise Impact Criteria

Summarizes the Sound Exposure Levels used in the Detailed Noise Analysis



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