



## Natural Environment

The natural environment is an important component of the environmental analysis. Each element will be evaluated in the context of future proposed improvements.







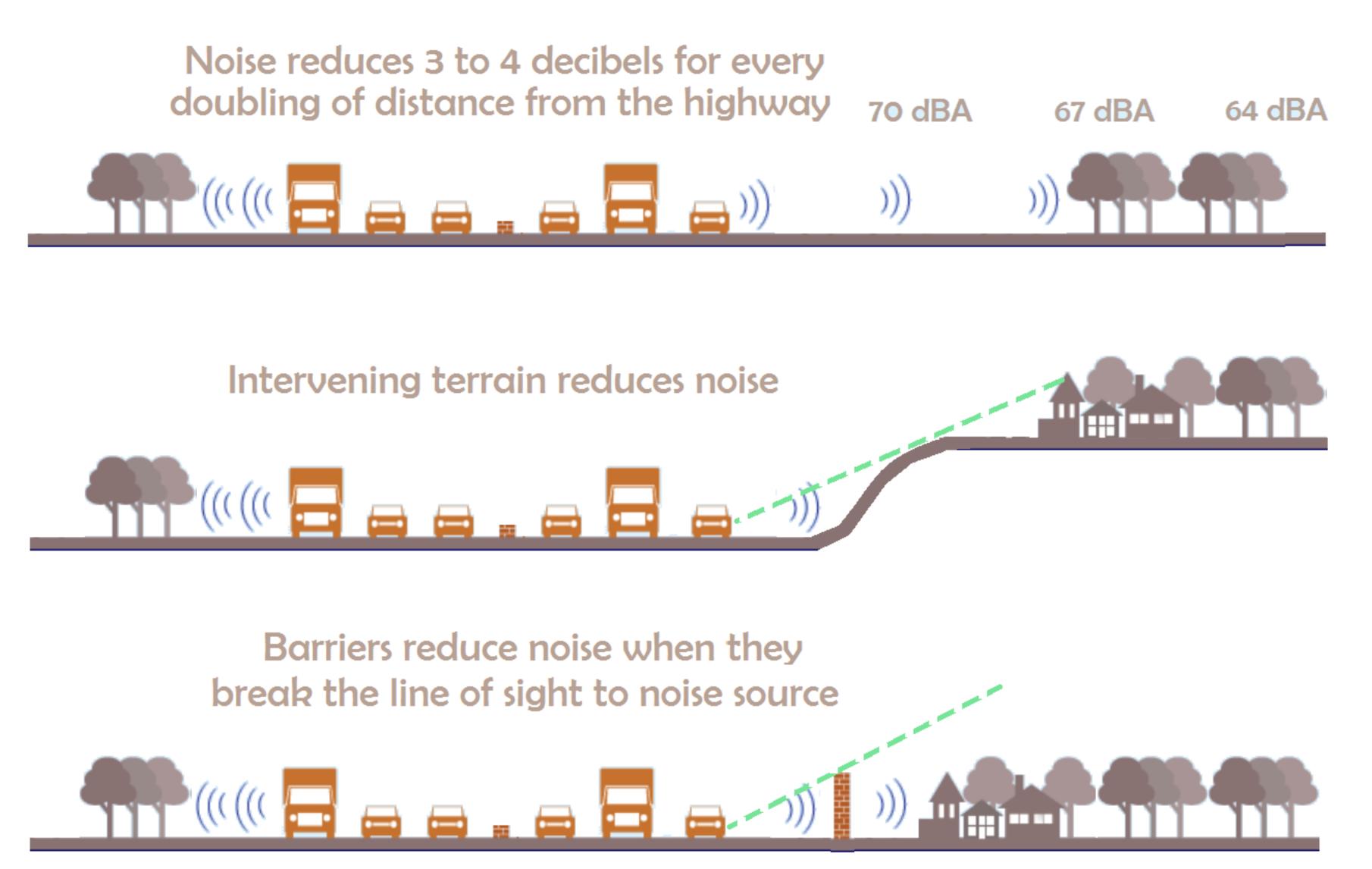


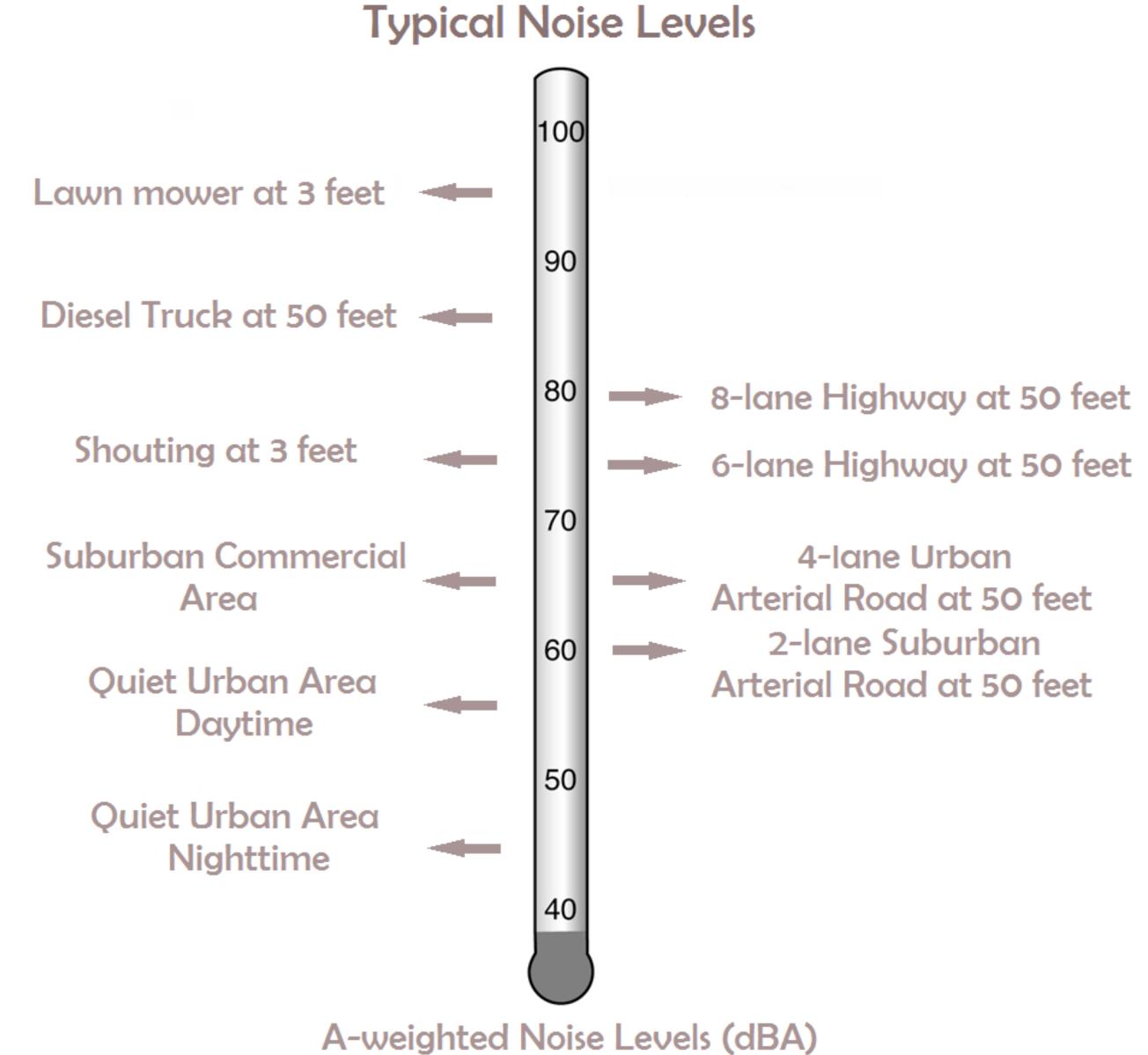






## Highway Noise





## How is Highway Noise Evaluated?

- Noise sensitive locations such as residences, schools, libraries, hospitals, places of worship and parks are identified
- Noise measurements are conducted at representative sites throughout the study area
- A Federal Highway Administration Traffic Noise Model (TNM) is developed to predict noise at all receptors
- Highway noise for future build conditions is predicted and compared to the CTDOT Noise Abatement Criteria (NAC)
- Noise abatement such as noise barriers is evaluated if noise levels exceed the NAC
- Noise barriers must meet feasibility and reasonableness criteria addressing:
  - Safety and maintenance
  - Acoustical effectiveness
  - Cost effectiveness
  - Viewpoints of residents

## Typical CTDOT highway noise barriers









Photos from Google Streetview



