

NOISE SURVEYS

Traffic noise surveys are studies that assess and monitor the sound levels generated by road traffic to determine potential noise impacts on the surrounding area.

Objective: To assess current and future traffic noise impacts on sensitive areas, such as residential zones, schools, and hospitals.

Methodology:

- **Field measurements:** Using a sound level meter to record existing noise levels at various locations and times.
- **Traffic data collection:** Counting and classifying traffic volume, speed, and vehicle types to understand noise sources.
- **Modelling:** Using sophisticated software to predict future noise levels based on proposed road projects, traffic volume, and design elements like pavement type and roadway elevation.

Purpose:

- **Planning and design:** Informing the design of new road projects to minimize noise, often by setting criteria for noise barriers or other mitigation measures.
- **Compliance:** Checking if the noise levels from a new or upgraded road comply with the relevant policies and criteria after it has been built.
- **Mitigation:** Identifying where noise impacts are predicted to be high and evaluating potential noise abatement measures.

Deliverables:

- **Noise reports:** Documenting the study's methodology, data, and findings.
- **Noise maps:** Visual representations that show noise contours for a given area.