

Edgecliffe Estates Noise Readings

Edgecliffe Estates Noise Committee

PROJECT DESCRIPTION

For this project, noise field readings were performed at locations within the Edgecliffe Estates neighborhood to determine existing noise levels from US-23. Traffic noise analysis and abatement measures were evaluated according to procedures set forth in the ODOT's Highway Traffic Noise Analysis Manual, dated April 2015, and in the FHWA Procedures For Abatement of Highway Traffic Noise and Construction Noise. The work was also conducted in accordance with FHWA's Highway Traffic Noise Analysis and Abatement Guidance, dated December 2011.

Mapping was assembled for use in the field work, and noise reading locations were selected and coordinated with Edgecliffe Estates representatives prior to performing the field work. Field work was performed over one day by a two-person field crew in order to define the existing noise environment at noise reading sites and to define background ambient noise levels. All noise readings were performed according to the techniques described in FHWA Report Number FHWA-PD-96-046, Measurement of Highway-Related Noise. Measurements were taken at 17 sites within the neighborhood for 15 minutes each. Two noise meters were utilized in order to optimize field time and number of noise readings where possible. During these monitoring periods, simultaneous traffic data was collected, including traffic volumes and composition (automobiles, medium trucks, and heavy trucks).

The results from the field work were documented and evaluated in a final summary report.

LOCATION

Sylvania, Ohio

HIGHLIGHTS

- Conducted field readings across 17 sites within the neighborhood
- Performed manual traffic counts in conjunction with noise readings

MAJOR TASKS

- Noise field readings
- Traffic counts
- Noise level evaluation

