

Introduction to Traffic Noise

TxDOT conducts noise studies to determine if roadway projects result in traffic noise impacts. Modeled land use categories include residential, restaurant patios, churches, schools and parks. The Federal Highway Administration (FHWA) requires these studies to protect the human environment.

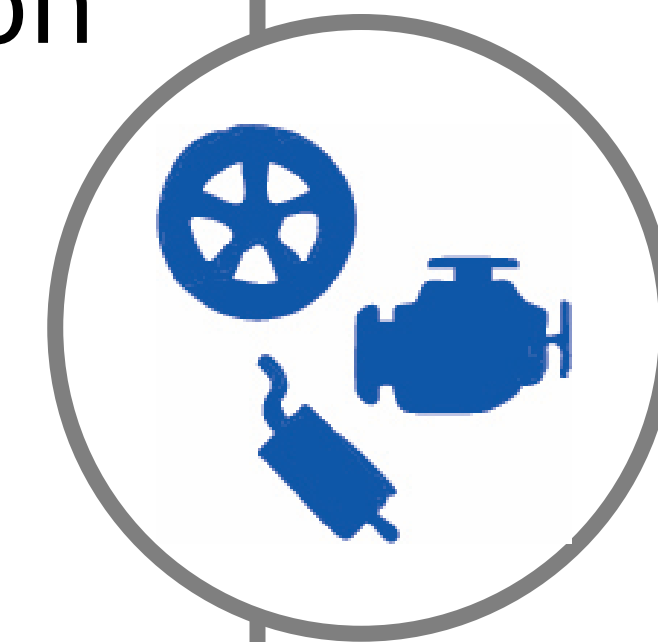
Why Noise Studies Matter

TxDOT analyzes traffic noise to understand its impact on parks, playgrounds, and homes. This helps TxDOT make decisions to reduce noise pollution and improve community life.



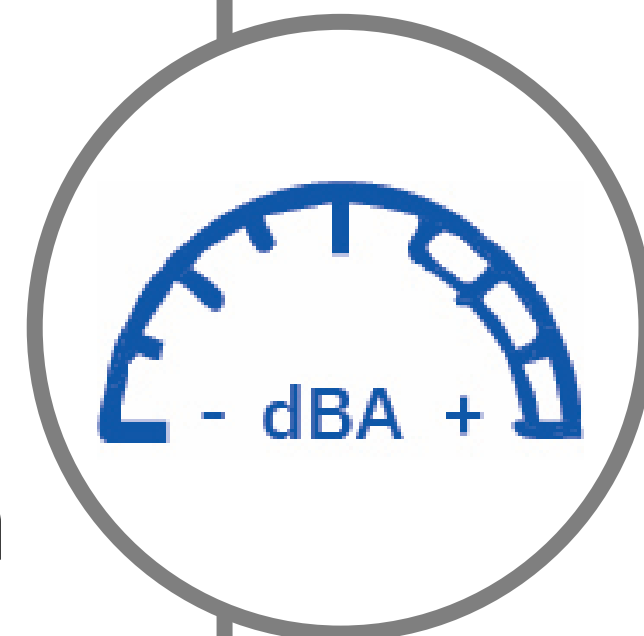
Traffic Noise Components

- Tire/Pavement Interaction
- Engine Noise
- Exhaust
- Aerodynamic Noise



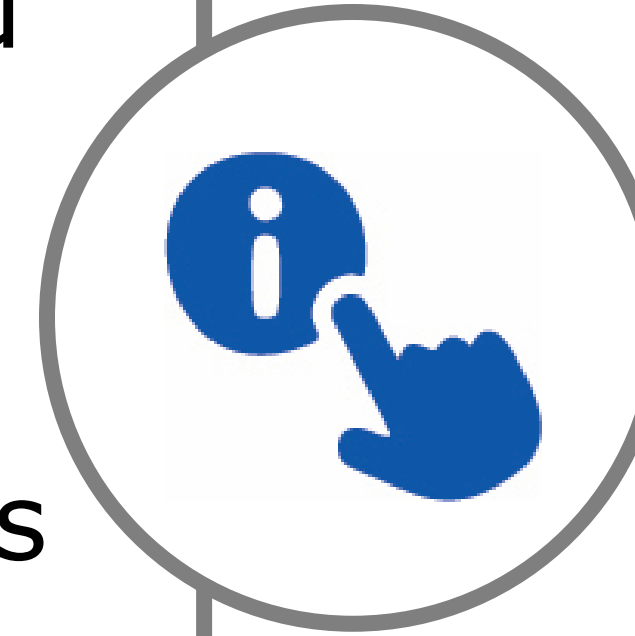
Noise Abatement Criteria

The FHWA sets noise criteria for different land use categories. If noise levels approach, equal or exceed these criteria, abatement measures such as noise barriers are evaluated to reduce impacts.



What You'll Learn

The results of the noise study for the FM 460 and FM 740 Improvement Project will be posted online once complete, noting how the study was conducted, the findings, and any traffic noise abatement plans.



Scan the QR code

to access TxDOT's Building Barriers to Traffic Noise brochure or visit the website:

<https://tinyurl.com/mtszsbtd>

