

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.

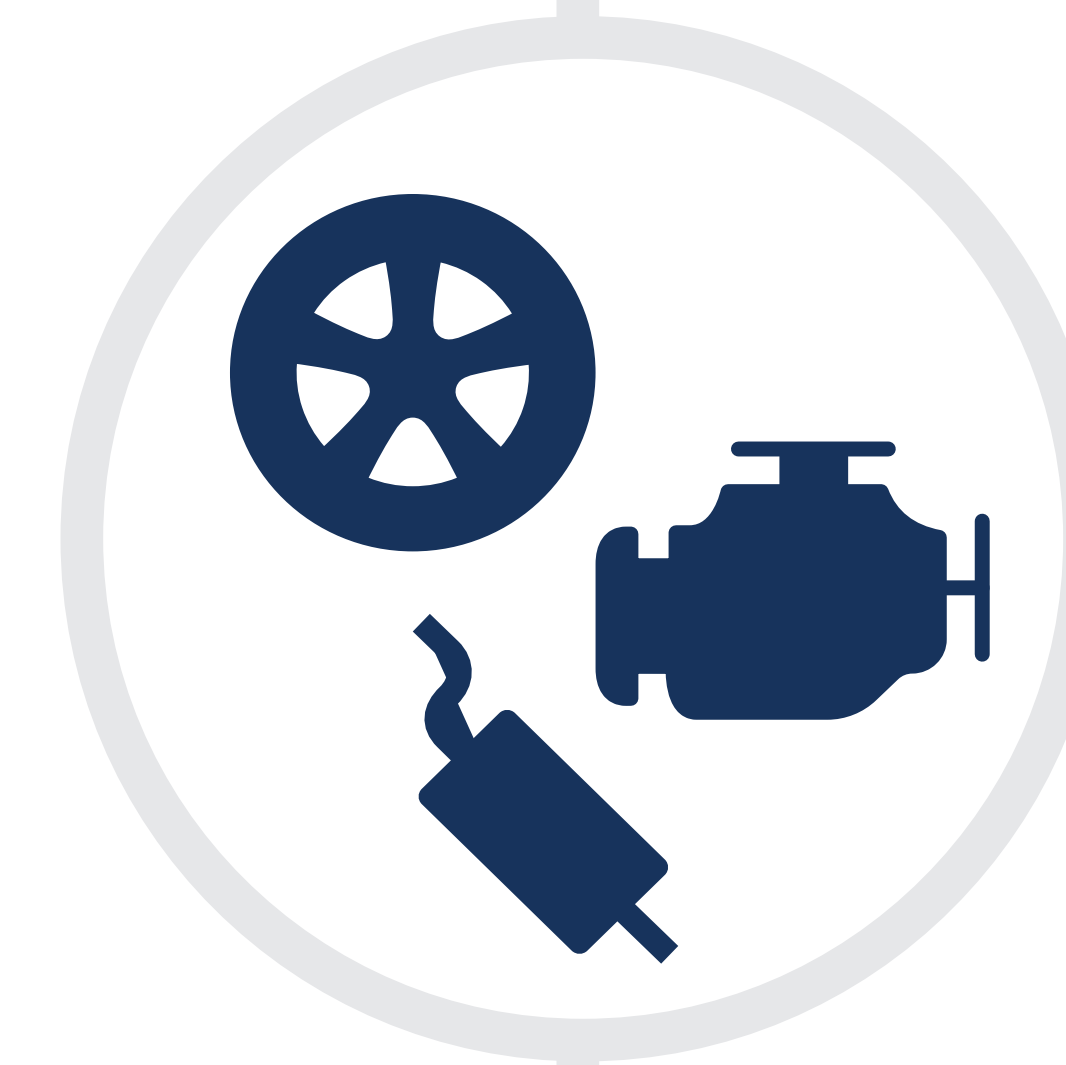
Why Noise Studies Matter

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 criterion, abatement measures such as noise barriers are evaluated to reduce impacts.



What You'll Learn Here

Explore the results of our latest noise study for the I-345 Connects Project. Learn how TxDOT conducted the study, the findings of the study, and how TxDOT plans to abate traffic noise.



Scan the QR code to access TxDOT's *Building Barriers to Traffic Noise* brochure.

