

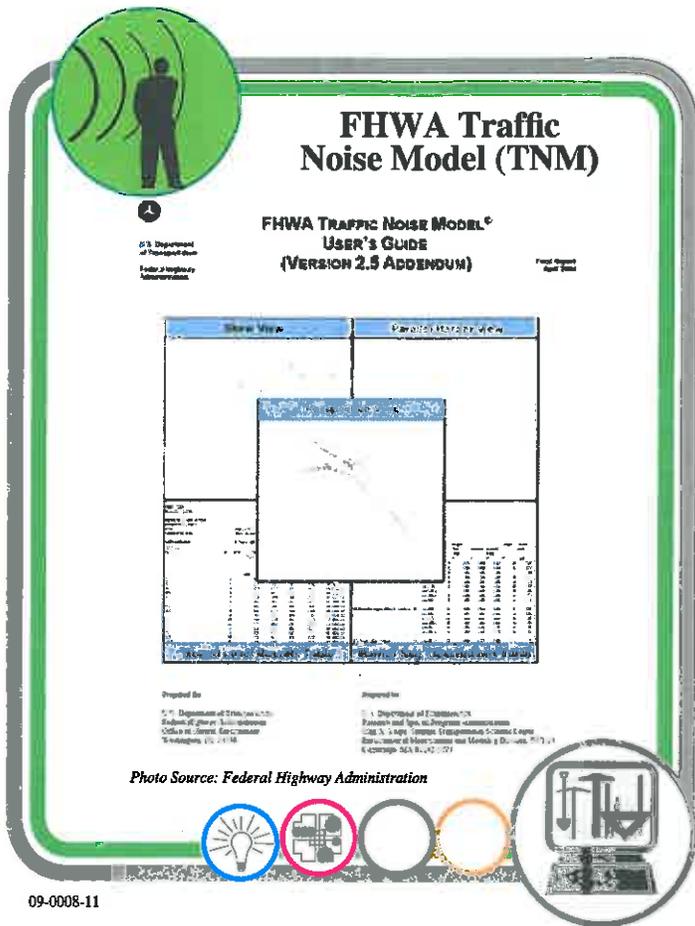
**FHWA Traffic Noise Model (TNM)**

**FHWA TRAFFIC NOISE MODEL<sup>®</sup> USER'S GUIDE (VERSION 2.5 ADDENDUM)**

U.S. Department of Transportation  
Federal Highway Administration

Prepared By:  
U.S. Department of Transportation  
Federal Highway Administration  
Research and Special Programs Administration  
Office of Environmental and Planning Services  
Environmental Measurement and Modeling Division, 205 L  
Crestway, SEA 8142 2001

Photo Source: Federal Highway Administration



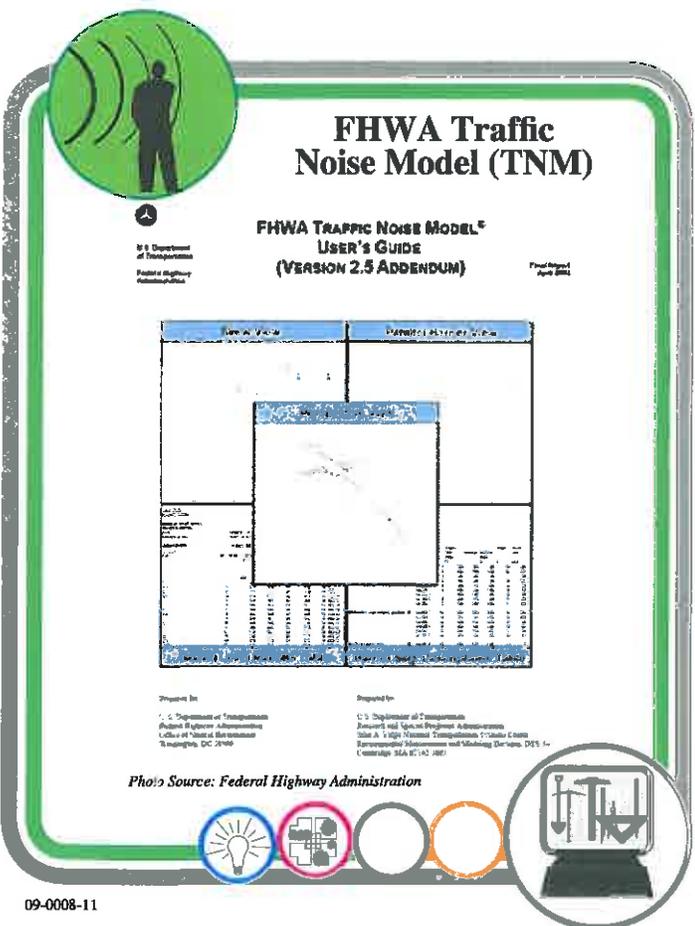
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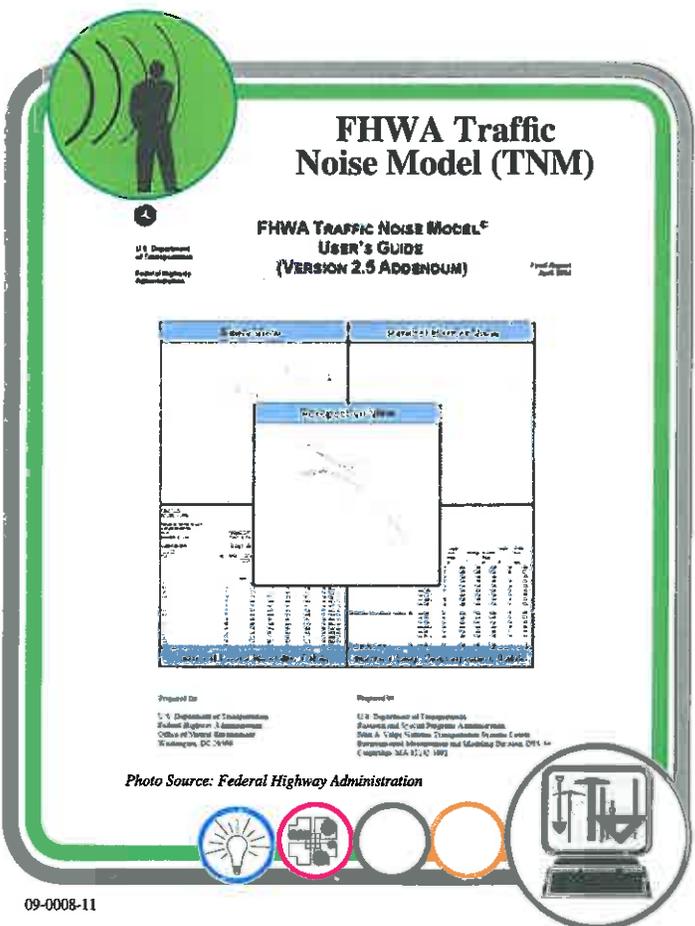
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## **FHWA Traffic Noise Model (TNM)**

Highway noise for CDOT projects is analyzed using the latest prediction model approved by the Federal Highway Administration—the Traffic Noise Model (TNM). The TNM computer model predicts how sound energy will diminish as it travels from a traffic noise source to reach a nearby land use such as a park, residence or business.

Extensive data is needed to run this model, including measured noise levels, current and future traffic volumes, truck percentages, terrain, roadway location and dimensions, and pavement surface type.

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