



# Highway Traffic Noise

## Construction Noise Handbook

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## PREFACE

The John A. Volpe National Transportation Systems Center Acoustics Facility (VCAF), in support of the Federal Highway Administration (FHWA) Office of Natural and Human Environment, has developed the Highway Construction Noise Handbook (the Handbook). The Handbook provides guidance to U.S. state transportation agencies in measuring, predicting, and mitigating highway construction noise and developing noise criteria. In order to help users predict construction noise, the Handbook includes the User's Guide for the FHWA Roadway Construction Noise Model (RCNM).

This Handbook, which is accompanied by a CD-ROM, reflects substantial improvements and changes in the way highway construction noise has been addressed since the 1977 publishing of the FHWA Special Report, *Highway Construction Noise: Measurement, Prediction and Mitigation*<sup>ref001</sup>. This updated Handbook, and the companion CD-ROM, address both acoustical and non-acoustical issues associated with highway construction noise. While it is understood that both similarities and differences exist between construction-related noise and construction-related vibration, the focus of the Handbook and CD-ROM is confined to noise-related issues.

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