

Hearing is Believing!



A fast, effective and accurate way to explain noise impacts

The Problem and the Solution

Explaining noise impacts to non-specialists isn't easy. The math and metrics can be bewildering. The Interactive Sound Information System (ISIS) bypasses this complexity by providing "real" noise examples, shaped to reflect local situations. This is a direct and accurate way to build an understanding of noise management issues.

Because it works so effectively, ISIS has become the world standard for delivery of noise management information to communities and decision-makers. The system mixes high quality digital recordings, precise sound control, and vivid imagery. The developer of ISIS, Dr. David Dubbink, is an experienced environmental professional. The ISIS presentation strategy has proven itself in hundreds of settings in the United States and in other countries.

All of the federal agencies that are centrally involved in noise management issues now make use of ISIS technology. This includes all branches of the military, the FAA, FHWA and the National Park Service.

The Federal Highway Administration Program

The Federal Highway Administration commissioned its own ISIS program to address traffic noise issues. It covers the basics of roadway noise management; the metrics, and the mapping of noise contours. Among the innovations is a segment that permits interactive changes in speed, traffic density, and vehicle mix. Vehicle passbys can be heard indoors and out, and at differing distances. It includes an interactive sound wall model that mathematically and acoustically illustrates barrier insertion effects. Computations mirror the Traffic Noise Model (TNM).

The program was expressly designed for staff training and for community outreach programs. Listeners gain experiential understanding of noise issues. Decision makers can hear the differences among noise management options. Noise impacted residents can experience the noise environment in their neighborhoods and the level of relief that comes with mitigation proposals.



Virtual reality images and digital sound bring reality to the meeting room

Program Versions and Customization

The program comes in two basic versions. The ISIS Standard version has a fixed content. It is a replica of the FHWA program but displays the name and organizational logos of the sponsoring agency.

With the Professional version of ISIS clients can add their own sounds and graphics. The program works from a standard Access database that describes all of the text, sounds, graphics, and animations included in a presentation. This makes it easy to develop programs that address specific projects and communities. The ISIS mapping features have been designed to import noise maps and difference maps produced by the TNM.

The ISIS package has been designed to use data and graphic files produced by standard GIS and noise mapping programs. A substantial library of images and sound files is bundled with either version of the product. Sample presentation scripts are included as well.

The Power of Interactivity

The system is highly graphic and interactive. With either the Standard or the Professional versions of the program a presenter can change the direction and content of a program to meet audience needs. The program can respond to "What if?" questions from listeners as they occur during a presentation. The ISIS

mode of presentation makes an effective bridge between the general and the specific. With the Professional version, conventional noise maps can be supplemented with point specific demonstrations of noise impacts. You can directly and accurately answer the all-important question, “What is this going to sound like at my house?”

Prices: Highway Noise Program
(Designed to FHWA standards)

Standard Program (fixed content) \$1,499.
Second fixed content program to same client \$ 899.

Professional Version (customizable content) \$4,799.
Second Professional Version license to client \$2,899.
Custom Player (displays customized programs) \$ 899.

Federal Government Agencies
(not including consultant contractors)

Professional Version \$2,070.
Fixed content copies \$ 370.

Educator’s version (fixed content) \$ 370.

The Standard program includes graphic customization to display the client organization’s name and logo on program displays.

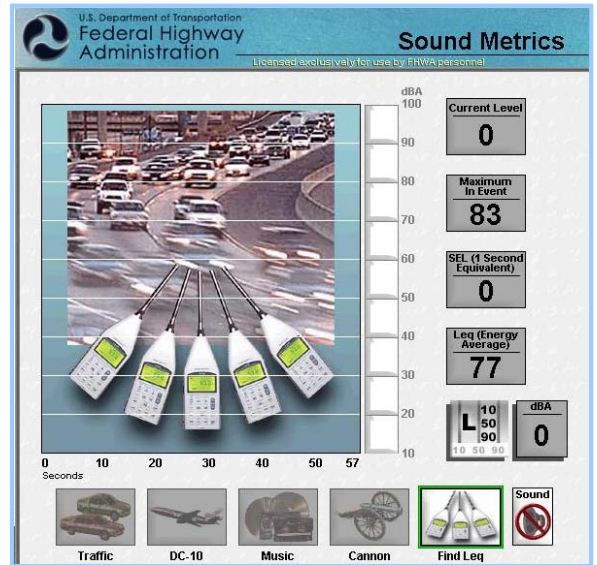
The Professional version includes the name and logo customization. Additionally, the mapping display will be formatted to display TNM model output for a specific location.

Our staff is proficient in program customization and in the technologies used in noise assessment. A client purchasing the Professional version of ISIS will often request us to develop a set of “starter” presentations that they can later modify to address specific settings or issues. A day of training is recommended for users of the Professional system. Full documentation is provided with all systems along with sample scripts and Q & A for presentations. .

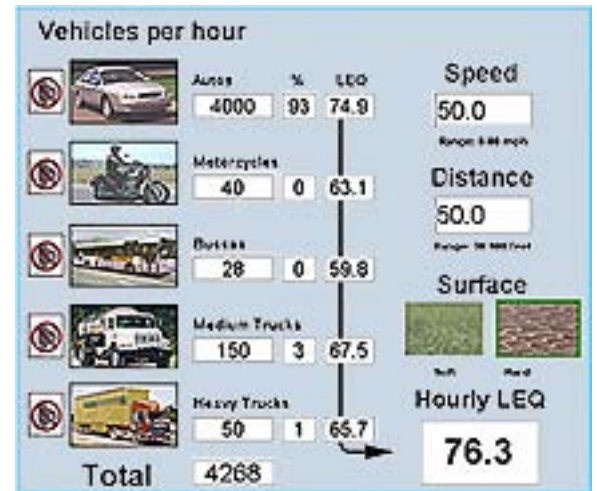
Hardware Requirements

The program runs on a notebook computer under current Windows operating systems. A data projector is used to display the images to audiences. A quality sound system is needed to gain full benefit from the digital recordings. We can provide these components as part of a package or can assist clients in making their own purchases of equipment.

Visit our website at noisemanagment.org for the very latest information and for illustrations of recent projects.



The FHWA training program includes a feature inviting trainees to take noise readings



The program includes an interactive display that calculates Leq for differing scenarios



Vehicle passbys are heard for outdoors and indoors at different levels of sound insulation