

# > TRANSPORTATION – NOISE AND VIBRATION CONTROL

## PATCHING ASSOCIATES ACOUSTICAL ENGINEERING

### TRANSPORTATION NOISE IMPACTS

Transportation noise is a constant and growing concern when considering new developments or adapting existing corridors. The inclusion of noise control design into community planning helps mitigate the risk of future complaints, and effectively reduces long term costs.

Patching Associates provides detailed noise and vibration analysis for transportation projects to optimize noise barrier designs and manage costs. We provide expertise in long term noise monitoring of road, rail, and aircraft traffic sources, and noise analysis for new developments along existing traffic corridors.

### NOISE SOURCE MODELING

Patching Associates works with city planners, property developers, engineers and communities to understand the impact of transportation noise through research, predictive modeling and solution design. Factors such as ground elevation, road alignment and profiles, traffic control devices, existing and proposed barriers, whistle stops, runway directions and traffic forecasts are all considered to predict whether noise levels will meet identified targets.

Accurate noise source modeling is key to meeting regulatory requirements for road, airport and railway projects. Patching Associates helps ensure transportation projects are compliant with local and regional regulations, and are designed with effective sound prevention solutions. Concerns and questions are considered from all stakeholders for accurate source modeling and ease of implementation.

### PRACTICAL SOLUTIONS

Proactive planning is the best method for noise control. Patching Associates specializes in pre-emptive modeling to solve issues before they arise, which can drastically cut costs and mitigate the risk of future complaints.

Our noise control recommendations are based on the most cost effective and practical solutions to meet unique project parameters for road, rail and aircraft transportation projects.



Patching Associates specializes in pre-emptive noise modeling for transportation projects to solve issues before they arise, helping to mitigate the risk of future complaints and manage long term cost impacts.

### CONTACT US

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