

A/E Tech LLC

Company Qualifications:

A/E Tech provides a wide range of acoustical and noise and vibration analysis, measurement, and control services to support projects for clients in both the public and private sectors. A/E Tech staff includes a nationally recognized expert and member of the Institute of Noise Control Engineering, and active contributor to organizations such as the Acoustical Society of America, and the National Academy of Sciences Transportation Research Board.

Our experienced staff has worked with project planners, architects, and engineers to develop cost effective approaches to solving critical noise and vibration challenges. Based on our extensive experience, we are able to offer a range of effective and responsive solutions to address concerns during the planning, design, and construction phases of projects.

A/E Tech provides a wide range of experience and services to address noise and vibration issues related to most any project. A/E Tech acoustics, noise, and vibration capabilities include experience in the following:

- **COMMUNITY AND ENVIRONMENTAL NOISE**

- Environmental noise monitoring and preparation of noise technical reports and noise sections of EIR, EIS, and EA documents and feasibility studies in accordance with Federal, State, Local requirements under CEQA and NEPA.
- Experience in noise studies for Noise Elements of General Plans, proposed schools, residential and commercial developments, industrial parks, community parks, stadiums, raceways, airport and highway/roadway improvement projects, etc.
- Community noise monitoring using state-of-the-art instrumentation.



- **CONSTRUCTION NOISE AND VIBRATION**

- Analysis, including prediction, and measurement of noise and vibration from construction activities;
- Development of construction noise and vibration mitigation measures;
- Construction noise control plans and noise monitoring programs.

■ SURFACE TRANSPORTATION NOISE



- Highways, Local Roads, Expert application of predictive noise modeling software, such as the Traffic Noise Model (TNM); Full familiarity with and extensive experience in preparation of noise study reports in accordance with the Caltrans Traffic Noise Analysis Protocol;
- Rail (light, heavy freight, High Speed Rail) and bus transit noise and vibration analyses in accordance with the FTA procedures.

● AVIATION NOISE

- Environmental Analyses for civilian airports and military bases, FAR Part 150 Studies, CA Title 21, AICUZ Studies, Residential and School Soundproofing. Use of aircraft noise modeling software, including INM, Noisemap, and MRNMAP.



● ARCHITECTURAL / BUILDING ACOUSTICS

- Noise insulation analyses for residential, commercial, industrial, mixed-use, educational use settings;
- Title 24 analyses, and Outdoor-to-indoor noise measurements.

● INDUSTRIAL / ENERGY



Noise analysis and mitigation of industrial sources, such as:

- Power plants and renewables, under the Federal Energy Regulatory Commission (FERC);
- Oil refineries;
- Pipelines and transmission;
- Mining and quarry operations;
- Microbreweries

● MECHANICAL SYSTEMS

- Analysis and control of noise from machinery, including generators, compressors, pumps, HVAC