ACOUSTICS
SSA
Stewart - Ait Allaoua

November 15, 2011

Jodi Kittel, Project Manager
Spokane Public Schools
Capital Projects
2815 E. Garland Ave.
Spokane, WA 99207

Re: *Environmental Noise Report*
Site: Hutton Elementary School, Spokane, Washington

Dear Jodi,

This report presents the results of the noise survey performed in the immediate vicinity of the proposed Hutton Elementary School project located at 908 East 24th Avenue in Spokane, Washington. The purpose of this report is to document the extent and impact of environmental noise due to traffic and other sources in the immediate vicinity of the school. This report contains data on the existing and predicted noise environments, impact criteria, and evaluation of the data as they relate to the criteria and recommendations for improvement where appropriate.

The existing noise environment at the proposed site is primarily the result of local traffic on these streets. Weather conditions during the period of measurement were overcast, with light winds and no precipitation in the morning, and wind and rain increasing in the afternoon.

Hourly measurements were conducted with a Larson-Davis Model 820 Environmental Noise Monitor on November 11, 2011 between 7:00 AM and 4:00 PM. Equipment conforms to American National Standards Institute (ANSI) requirements for Type 1 instruments and is under current calibration.

Our review was completed in accordance with *WAC 246-366-030 Site Approval for Educational Facilities* and *WAC 246-366-110 Sound Control* as required by the Health and Safety Guide for K-12 Schools in Washington.

PRIMARY AND SECONDARY SCHOOL REGULATIONS

WAC-246-366-030: Noise from any source at a proposed site for a new school, an addition to an existing school, or a portable classroom shall not exceed an hourly average of 55 dBA and shall not exceed an hourly maximum of 75 dBA during the time of day the school is in session; except sites exceeding these levels are acceptable if a plan for sound reduction is included in the new construction proposal and the plan for sound reduction is approved by the health offices.

WAC-246-366-110: Interior background noise levels at any student location within the classroom shall not exceed 45 dBA for 30 seconds.

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NOISE MEASUREMENTS

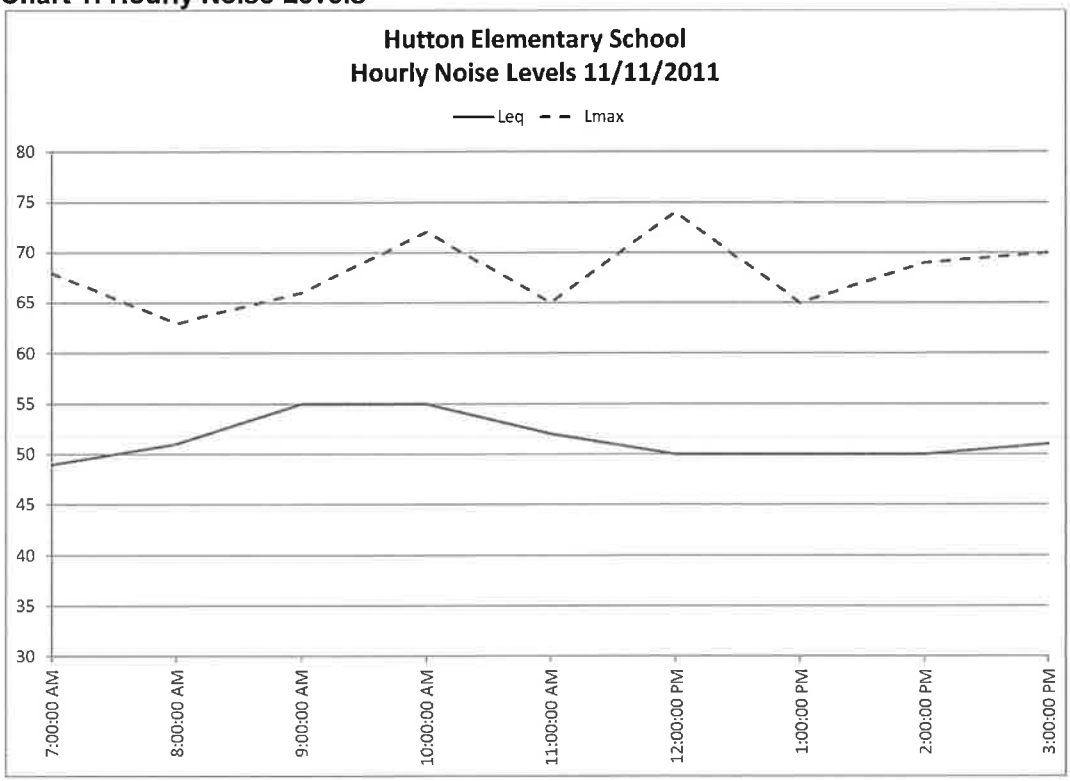
Continuous noise measurements were conducted at the project site to quantify the existing noise environment. Measurements ran between 7 AM and 4 PM on November 11, 2011. The nose monitor was placed at the location shown in the following figure:

Figure 1: Measurement Location

MEASUREMENT RESULTS

Hourly Leq and Lmax noise measurements are presented in the following chart:

Chart 1: Hourly Noise Levels



The following are the Leq and Lmax ranges and average noise levels measured at the site:

Day	Leq Range	Avg Leq	Lmax Range	Avg. Lmax	Meets W.A.C.
11/11/11	49-55	51	63-74	68	YES

According to the long and short-term measurement results, noise levels at the site meet the W.A.C. requirements. The higher Lmax levels are likely a result of the occasional wind gusts that occurred during the measurement period. Typical Lmax levels are expected to be closer to the lower end, 63-65 dBA.

Please contact me with any questions.

Sincerely,
SSA Acoustics, LLP

Alan Burt, PE
ASSOCIATE PARTNER
ACOUSTICAL CONSULTANT