CALIFORNIA WASHINGTON NEW YORK

WI #16-085

Report No. NM1-4 Glenview Elementary – Noise Monitoring

То	Wil Newby, OUSD
Prepared By	Tom Ostrander
Reviewed By	Deborah Jue
Date of Report	October 19, 2016
Location of Monitoring	NM1 – 1532 Hampel backyard
Monitoring Period Covered By Report	Monday, October 10 to Sunday, October 16, 2016
Equipment	Larson Davis 812, Serial No. 785

Construction Activities: This week continued hard demo of the auditorium. The auditorium walls closest to the noise monitoring location were demolished on October 13 and 14, which accounts for the high noise levels measured on those days.

Comments:

Hourly 65 dBA Leq noise limit. Construction activities were at or below allowable levels for the majority of the work week. Construction noise exceeded the 65 dBA limit on Thursday, October 13, between 8 AM and 2 PM during demolition within the building and on Friday, October 14, between 11 AM and 2 PM during demolition within the building. There were exceedances of the Leq over the weekend which were not due to construction noise. Current noise mitigation measures include a 10 ft high sound blanket barrier surrounding the upper yard, noise reducing ear muffs distributed to neighbors, and a daily construction schedule which shifts major demolition activities to start no earlier than 8 AM (whereas construction activities are normally allowed to start at 7 AM). These measures are the best available, reasonable and feasible practices for reducing noise given the project constraints.

<u>Extreme noise.</u> There were two periods where the Lmax levels exceeded 90 dBA on Thursday, October 13, between 8-10 AM and 11-12 AM.

The project complies with the City noise ordinance for the vast majority of the work day and is providing the best available mitigation measures for those times when the noise exceeds the limits.



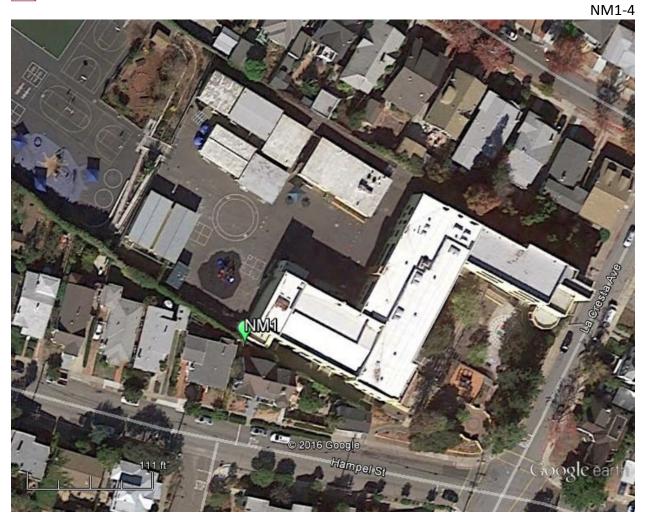


Figure 1 Area site plan and Noise Monitoring Location



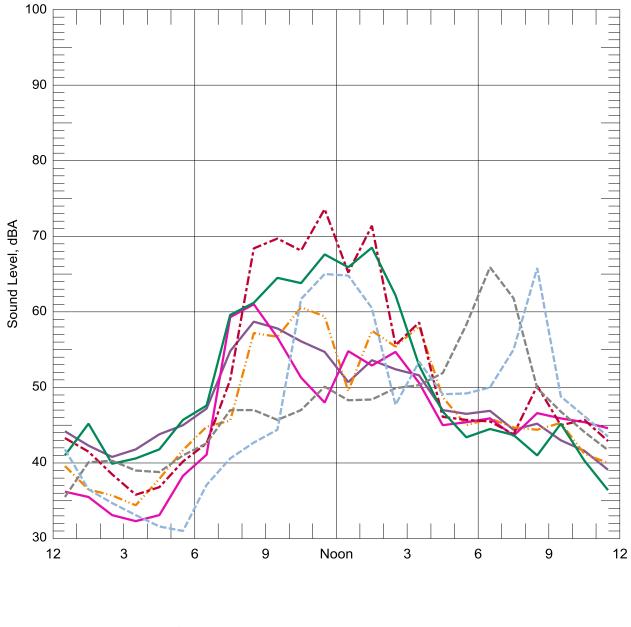




Figure 2: Hourly Energy Equivalent Noise Levels - NM1 (Hampel)



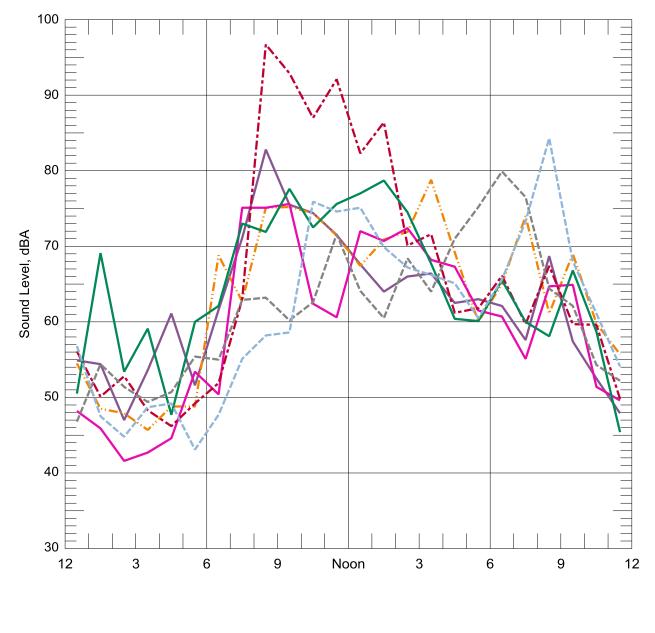




Figure 3: Hourly Lmax Noise Levels - NM1 (Hampel)