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**MEMORANDUM**

10 October 2017

To: Andrew Crabtree  
Community Development Department, City of Santa Clara

Fr: Derek Watry

Re: Levi's Stadium Noise Level Monitoring Project  
Noise Level Readings of Coldplay Concert (4 October 2017)

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This memorandum presents noise level data collected on the evening of Wednesday, 4 October 2017, during the Coldplay concert at Levi's Stadium. Data was collected in the neighborhoods around the stadium using the Seti-Media system installed for this purpose.

Measurements were made at four locations around the stadium (see Figure 1), but this memo only reports data from the closest monitor at Cheeny and Lenox.

Figure 2 shows a comparison of the noise levels during the concert to *ambient* noise level data collected on 15 nights in September in 5-minute intervals.

Because the concert was on a Wednesday night, the comparative days were all Monday, Tuesday, Wednesday, and Thursday nights in September except Thursday the 21<sup>st</sup> because there was a 49er football game that evening. The comparative data shows the maximum, average, and minimum ambient sound levels.

Coldplay came on stage at 9:00 PM, and the sound level associated with the opening number was louder than the maximum ambient level at that time in September. The show came to a close just before 11:00 PM, and fireworks at the end of the show also caused the noise in a 5-minute period to be higher than the maximum in September. Between the opening number and the fireworks, the concert sound level was typically above the average sound level at this location, but below the maximum measured in September.

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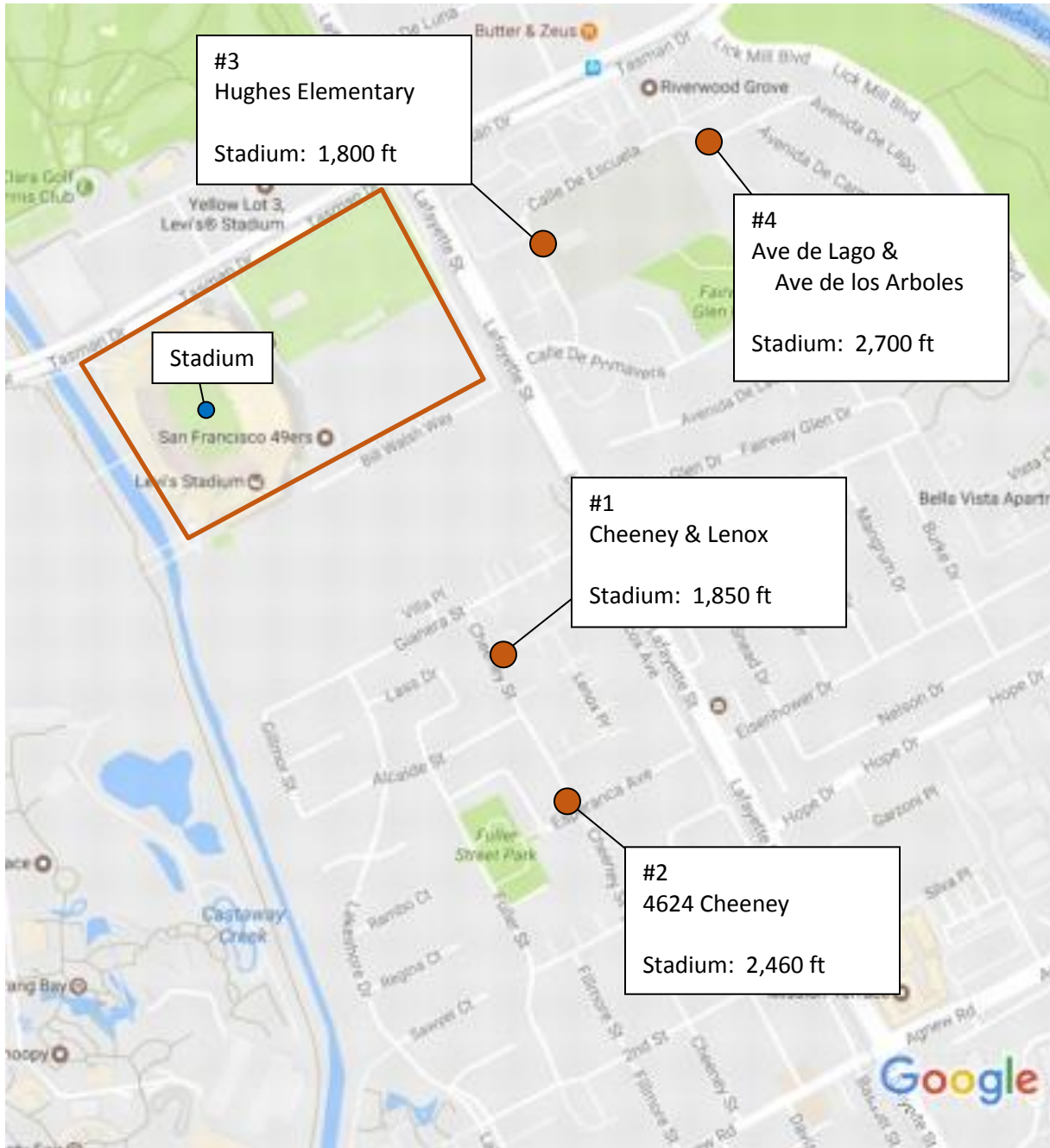


FIGURE 1 AREA MAP WITH NOISE MONITORING LOCATIONS  
(DISTANCES ARE FROM BLUE DOTS)

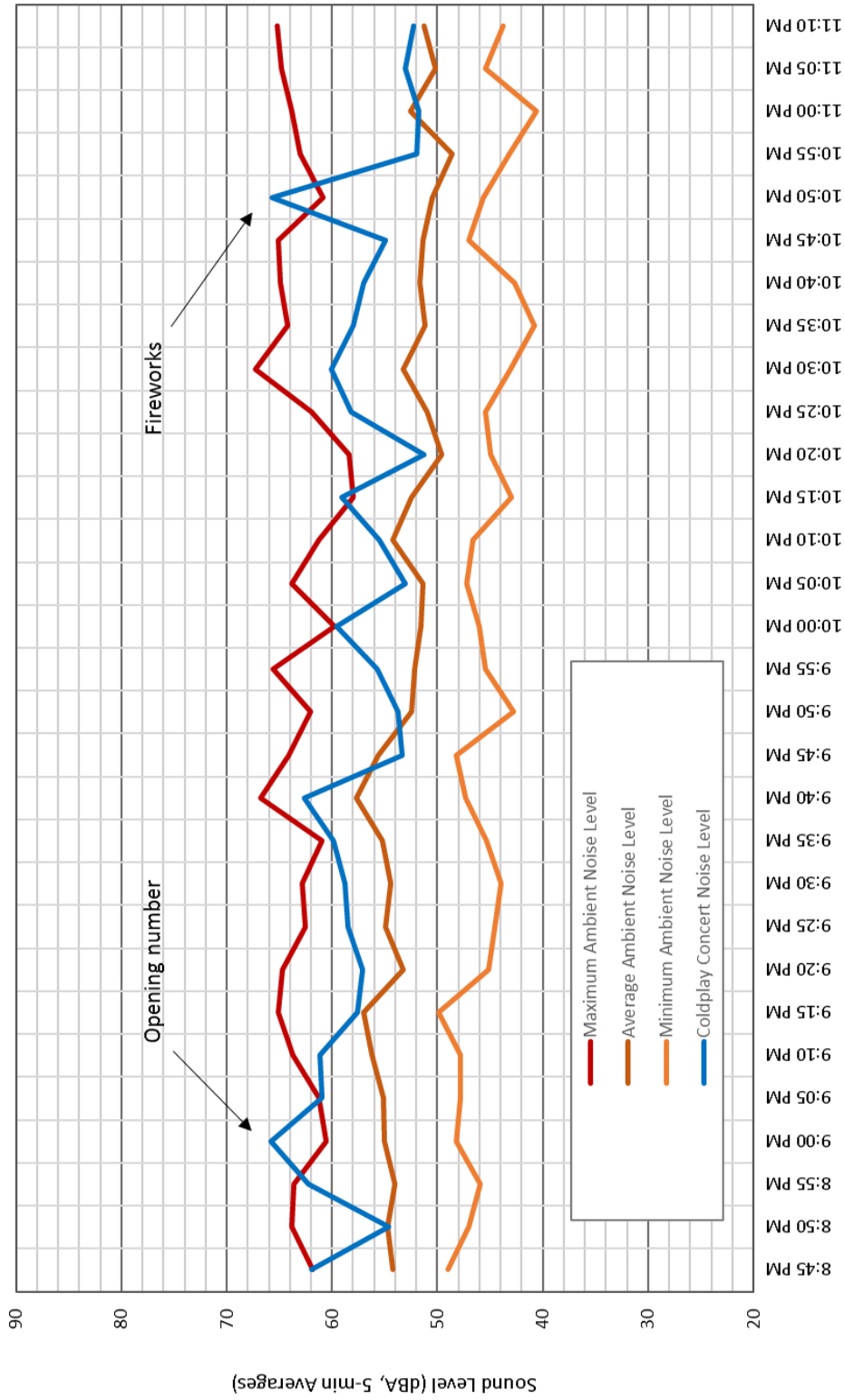


Figure 2 Coldplay Concert v September Weekday Evenings