

July 19, 2013

Dr. Stephen Harrison, M.D.  
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[www.gha-engineers.com](http://www.gha-engineers.com)

Re: Village of Barrington Hills  
Train Sound Measurements

Dear Dr. Harrison:

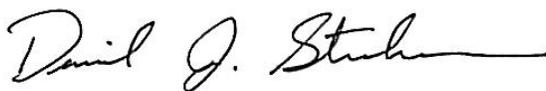
I understand that at the June meeting of the Board of Trustees you had some concerns regarding the sound measurements performed near your residence by Acoustic Associates, Ltd. Trustee Colleen Konicek Hannigan requested I provide you with this summary of this information in the hope that it will address your concerns.

During the test Acoustic Associates, Ltd. placed equipment at the site to make two distinct measurements. A sound level data logger was set up to log the decibel level every two seconds. Concurrently, a digital audio record was set up to record the sound so that the increases in the decibel level caused by train traffic could be distinguished from other sound sources. The sound level data logger ran for two full days, from 2:00 PM on October 24<sup>th</sup> thru 2:00 PM on October 26<sup>th</sup>. Due to a power outage at the home, the audio recorder stopped recording after 25 hours. However, sufficient data was gathered during the first day of data collection to identify the unique decibel "spike" associated with train traffic. As a result the report could be completed with the data gathered. As the decibel measurements were the key deliverable of interest, we did not require Acoustic Associates, Ltd. to repeat the test.

With regard to the test results, the measured Day-Night Level with Trains over the two test days was found to be 65 dB, which matches but does not exceed the threshold defined in the Environmental Impact Statement prepared during the acquisition of the EJ&E. Upon review of the test results with Village staff and the Board, it was determined that additional testing would not be pursued.

I have enclosed a hard copy of the report prepared by Acoustic Associates, Ltd. for your use. If you would like to discuss the matter further either Trustee Konicek or Trustee Gohl would be happy to meet with you.

Sincerely,  
Gewalt Hamilton Associates, Inc.



Daniel J. Strahan, P.E., CFM  
Assistant Village Engineer