



MEMORANDUM

December 1, 2016

To: William Newby
From: Deborah Jue
Subject: Vibration Monitoring for Glenview Elementary – November 2016

Wilson Ihrig has been conducting vibration monitoring at 1550 Hampel and 1541 Wellington.

1550 Hampel

The monitoring equipment at 1550 Hampel has been in operation since the afternoon of October 3, 2016. For the month of November, construction activity caused three vibrations to occur that exceeded the 0.300 in/sec peak particle velocity (PPV) threshold. This activity occurred on the afternoon of November 3, around 12:40 PM. During demolition work that morning a chunk of asphalt had wedged under the fence between the school and the neighbor. After the lunch break the contractor used the bucket of an excavator to break the chunk in to pieces. There were two resulting vibration events that were generated within 30 seconds as follows:

- 12:39:51
 - vertical direction 0.469 in/sec PPV
 - longitudinal direction 0.396 in/sec PPV
- 12:40:29
 - vertical direction 0.362 in/sec PPV
 - longitudinal direction 0.310 in/sec PPV

1541 Wellington

The monitoring equipment at 1541 Wellington started operation during the late morning of November 2, 2016. For the month of November, no vibration events have been recorded that exceed the 0.300 in/sec peak particle velocity (PPV) threshold.