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March 16, 2012

Mr. James Scully
Superintendent of Schools
City of Haverhill
4 Summer Street
Haverhill, Massachusetts 01830

Subject: Hunking School - Emergency Repairs to Prevent Concrete Column Collapse

Dear Mr. Scully:

This letter is a follow up of our meeting on Thursday, March 15, 2012 relative to your concern regarding further delay of shoring of the north wing floor at the Hunking School. As was discussed, the northeast corner of the north wing is in immediate need of shoring and the shoring of the remaining central portion of the north wing should be done at the same time or would follow shortly after. As noted in AECOM's letter of January 26th, 2012, "Hunking School-Emergency Repairs to Prevent Concrete Column Collapse", the advanced state of deterioration of several basement support columns poses the potential for collapse of sections of the north wing floor and roof and resulting further overstress to columns from load transfers could result in a possible progressive collapse of the entire structure. Although the behavior of the structure and full extent of a collapse cannot be predicted it is possible that failure and collapse of central portions of the north wing could result in damage or partial collapse extending to the core portion of the structure located between the north and south wings.

The current state of deterioration will only become more severe over time so it is prudent not to delay the shoring of the north wing. It would be more cost effective for the City of Haverhill to complete all the work at one time minimizing the additional cost of mobilization, setups and permitting that may be required with multiple or sequenced scheduling of this work.

In reflecting on this project, given the nature of the work required, the environmental issues and the time constraints, AECOM believes the approach that was taken by the City of Haverhill in obtaining a bid from a Contractor, with the scope of providing a minimum approximate number of shoring supports with details and locations reviewed and stamped by the bidder's Massachusetts Professional Engineer, is the most economical and expeditious approach to temporarily provide for the health and safety of the students. Utilizing this approach, competitive pricing could be obtained from additional Contractor's if desired.

Please contact me if you have any questions.

Sincerely yours,



AECOM Technical Services, Inc.

A handwritten signature in black ink, appearing to read "Richard J. Devanna".

Richard J. Devanna, P.E.
Structural Group Manager