

4550100DB STRUCTURES FOUNDATIONS
INTERNAL/INDUSTRY REVIEW COMMENTS

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Comments: (12-9-16)

455-1.4 is revised to read "ensure that freshly placed concrete is not subject to peak particle velocities greater than 1.5 inches per second from vibration sources located within 30 feet (from the nearest edge of freshly placed concrete to the vibration source)..." Our experience is that RAILROAD TRAFFIC within 30 feet of the new concrete can cause vibrations with peak particle velocities in excess of 1.5 inches and over which Contractors have no control. The original language limited this requirement to activities over which Contractors have control.

Response: While vibration sources may be outside of the Contractor's control, the concrete placement is. Therefore, in such a situation it is up to the Contractor to isolate the placement from the source using vibration dampening or isolation methods.
No Change made.
