



Acoustics, Noise & Vibration Control

Thornton Tomasetti

TT-PMCCV: Predicting, Monitoring and Controlling Construction Vibrations

Summary

Construction can cause high levels of vibration, which could result in damage to nearby structures. And for sensitive facilities – hospitals and laboratory research buildings with vibration-sensitive equipment, for example – predicting and controlling this vibration is critical.

This presentation covers testing and analysis methodologies used to predict construction-induced vibrations in nearby structures, as well as monitoring procedures and mitigation options.

Learning Objectives

1. Understand the effects of construction-induced vibration on nearby structures.
2. Learn about vibration testing methodologies.
3. Gain an understanding of the various analyses methodologies that predict the impacts of construction-induced vibrations.
4. Recognize possible vibration control solutions.

Presentation length: 60 minutes.

To schedule a presentation for your firm, email AcousticEd@ThorntonTomasetti.com.