



# Vibration Monitoring and Building Condition Survey Services

Vibration monitoring is a specialized procedure for recording, analyzing, and quantifying vibrations resulting from construction operations. **Atlantic Testing Laboratories' (ATL's)** specialists utilize a 3-component (longitudinal, transverse, and vertical) seismograph, to measure and record the extent of vibrations from a contractor's demolition and/or construction activities in accordance with NYS DOT EI's 05-044 and 05-045 requirements.

## Vibration Monitoring Services:

- **Pre- and Post-Construction Building Condition Surveys** include photographic and videotape documentation of the interior and exterior condition of the building(s), and the extent and location of existing signs of building distress such as cracks, spalling, signs of settlement, flooding, leaking, etc.
- **Vibration Monitoring Plan** which includes, but is not limited to, the limits of vibration monitoring work, location of all structures to be monitored, location of any underground utilities, maximum allowable Peak Particle Velocities (PPV) as indicated in the contract documents, location of seismograph placement(s), and details for anchoring geophone(s).
- **Vibration Monitoring** provides real time printouts of PPV's and frequencies of construction vibrations and expedites the on-site decision making process.



## Why ATL?

Oversight of **ATL's** Vibration Monitoring Services are provided by a Professional Engineer and is founded upon 27 years experience in monitoring vibration from construction activities.

**ATL** is a full-service firm offering a comprehensive line of technical support services. These include special inspection services, subsurface investigations, water-based investigations, geotechnical engineering, construction materials engineering and testing, pavement engineering, nondestructive testing, geoprobe services, stormwater pollution prevention planning, and surveying from our 11 offices.

**For more information, contact:**

**Albany**  
518-383-9144

**Elmira**  
607-737-0700

**Rochester**  
585-427-9020

**Watertown**  
315-786-7887

**Binghamton**  
607-773-1812

**Plattsburgh**  
518-563-5878

**Syracuse**  
315-699-5281

**Canton**  
315-386-4578

**Poughkeepsie**  
845-691-6098

**Utica**  
315-735-3309

**Towanda, PA**  
607-737-0700

Web: [www.AtlanticTesting.com](http://www.AtlanticTesting.com)  
E-Mail: [info@AtlanticTesting.com](mailto:info@AtlanticTesting.com)

*Think Quality*