



Walk Bridge Replacement Project Noise/Vibration Monitoring

WALK BRIDGE PROGRAM | 2018

Why is Noise/Vibration Monitoring being performed?

Monitoring is being performed to assess background (existing) levels of ambient noise and vibrations, and to document ambient levels of noise and vibration during construction operations.

What does the monitoring equipment look like?

Both noise and vibration monitoring devices are about the size of a briefcase, with associated cables. The noise monitor has a pole-mounted microphone that extends from the case. The vibration monitor has a small accelerometer that is mounted on the ground. Both devices will be secured to a stationary object.



Noise Monitor

Where will the monitors be placed?



Vibration Monitor

The monitors need to be placed in a secure location on the property. They do not need to be placed within a building or residence unless arrangements for such have been made with the property owner or tenant. Monitoring locations will be coordinated with the property owner or tenant.

What is the duration of the monitoring period?

Background monitoring is usually conducted over one continuous 48-hour weekday period and one continuous 24-hour weekend period. Construction phase monitoring may be conducted for the duration of a specific activity. This could range from one day to several weeks. Monitoring locations will shift as work locations change (Properties outside the work zone do not require monitoring).

When will monitoring be performed?

It is anticipated that background monitoring will be performed in July, and construction phase monitoring for preliminary pile driving work will be performed in September and October.

Will a person need to be present during monitoring?

A person does not generally need to be present during monitoring. The devices automatically log and transmit results. In very sensitive areas, a technician may be present during the first day of construction phase monitoring to provide immediate feedback to CTDOT and the construction team.

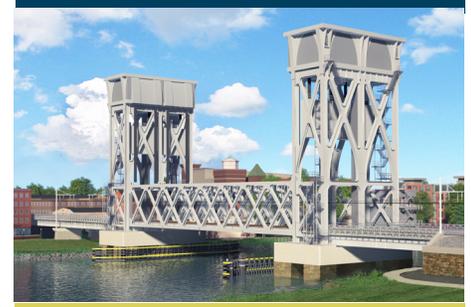
Does a property owner or tenant have to do anything?

A property owner or tenant is not responsible for checking on the equipment and should not touch the equipment. Barring evidence of intentional acts, the property owner or tenant will not be held responsible for damage or theft of the equipment.

The Connecticut Department of Transportation initiated the **Walk Bridge Program** to replace the 122-year-old deteriorating railroad bridge that crosses the Norwalk River in Norwalk, CT. The existing four-track swing bridge opens to provide access for commercial and private maritime users along the Norwalk River. When closed, the Walk Bridge connects the rail line that passes through the heart of historic South Norwalk on the west side of the river to East Norwalk on the east side.

The Walk Bridge is a critical transportation link between Washington, D.C., New York City and Boston, carrying Metro-North's New Haven Line with approximately 125,000 passengers daily, Amtrak and freight services.

The Replacement of the Walk Bridge is anticipated to start construction in 2019.



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