



SANDWICH STREET VIBRATION MONITORING PROGRAM

As part of the Gordie Howe International Bridge project, just over three kilometres of Sandwich Street will be reconstructed by Bridging North America (BNA). Sandwich Street reconstruction will stretch from south of the Rosedale Avenue roundabout past Ojibway Parkway to McKee Road.

With any major construction activity, the use of heavy machinery may cause noise and vibration above existing levels and beyond the project footprint. The project team understands the concern that those living and working adjacent to the construction areas have regarding noise and vibration and makes every effort to reduce impacts to residents.

BNA is offering free vibration monitoring for structures located within the Zone of Influence that may experience high vibration activities associated with the construction planned along Sandwich Street in the Phase Three work area (between Chappell Avenue and Chewett Street).

ZONE OF INFLUENCE

The Zone of Influence ranges from:

- 6.1m for **commercial structures** to
- 7.9m for **residential structures** and
- 11.1m for **historical structures**.

BNA has identified structures that fall within the Zone of Influence based on the type of construction work to be completed and the building type in the vicinity of the work area. The Zone of Influence ranges from 6.1m for commercial structures to 7.9m for residential structures and 11.1m for historical structures. Eligible properties that fall within these distances have been contacted directly by letter.

Although BNA doesn't anticipate any damage to properties, vibration monitoring helps determine the current condition of structures and shows whether construction activities adversely impact them during the course of construction.

Only properties that fall within the identified Zone of Influence are eligible for the Vibration Monitoring Program.

VIBRATION MONITORING PROGRAM STEPS

Eligible property owners have been contacted directly to participate in the program.

Property owners who wish to participate in the program are required to complete, sign and return the Property Owner Authorization Form to BNA. In cases where the owner agrees to participate in the Vibration Monitoring Program but does not occupy the property, the occupant needs to complete and sign an Occupant Authorization Form, then return it to BNA.

PRE- AND POST-CONSTRUCTION SURVEYS

Pre-construction surveys are used to establish the condition of existing structures within the Zone of Influence before construction begins.

Post-construction surveys are used to establish the condition of existing structures after construction is complete.

Property owners participating in the vibration monitoring process will be notified of any damages during the post-construction survey.

Once authorizations are in place, BNA will work with the property owner to schedule a pre-construction survey. In cases where someone other than the owner occupies the property, BNA will work with both the owner and occupant to schedule the appointment.

Once construction in a particular area is complete, BNA will return for the post-construction survey.

Vibration monitoring equipment will be installed throughout the construction zones to measure vibration for all potentially impacted properties.

BNA will not enter properties without an appointment. Personnel will be easily identifiable with identification (ID) cards. The vibration monitoring process is free of charge and will not damage properties.

If construction-related damage occurs to a property that is participating in the Vibration Monitoring Program, BNA will work with the property owner to assess the cause and extent of the damages.

For questions about the vibration monitoring program and to check your eligibility, call the project team at 1-844-322-1773 or send an email to info@wdbridge.com.