

# Noise and Vibration Fact Sheet



## Background

While the Finch West Light Rail Transit (LRT) project is under construction, Mosaic Transit Group, our contractor will be using a variety of equipment to break up asphalt, excavate areas, demolish bridges, install steel piles into the ground, as well as to relocate water, gas, and telecommunication pipes.

## Construction Impacts

Certain construction activities (demolition, shoring) and use of heavy equipment (i.e. trucks, piling rigs and excavators) may cause noise and vibration above existing levels. The impact of noise and vibration will depend on

many factors, including the source, people's sensitivities, the type of work, the geology of the site, and time of day.

## Mitigation Measures

Our contractor is taking steps to manage noise and vibration impacts, including:

- Conducting pre-condition surveys during the design stage to identify properties that are sensitive to vibration-causing activities
- Using the survey results to establish acceptable noise and vibration levels that follow the City of Toronto's by-laws

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# Finch West LRT

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- Monitoring noise and vibration levels during the design stage to identify acceptable thresholds
- Monitoring noise and vibration levels during works to minimize risk of exceeding allowable limits
- Communicating early and often to nearby residents and businesses to increase awareness and understanding of upcoming activities and what to expect
- Working during normal working hours, where possible

## Pile Driving Activities

To support the Finch West underground station and the semi-underground station at Humber College, crews will install steel piles for the stations, stations' entrances, emergency exits, and portal openings.

Using steel pipes attached to a rig, a crew will drill holes into the ground, 30-metres in the deepest areas, and fill them with concrete to leave a stable foundation underground. Piling may cause noise and create ground vibrations; it will take many months to complete (i.e. up to 12 months at the Finch West station site).

## Contact Us

To find out more about the Finch West LRT project and register for updates:

✉ Email: [finchwest@metrolinx.com](mailto:finchwest@metrolinx.com)

🐦 Find us on Twitter, Facebook and Instagram: @finchwestlrt

📶 Visit the website: [www.metrolinx.com/finchwestlrt](http://www.metrolinx.com/finchwestlrt)

☎ Call 416-202-6500

## Visit our Community Office:

2540 Finch Avenue West, Toronto, Ontario M9M 2G3

## Hours of Operation:

Monday, Wednesday and Friday: 9 am – 5 pm

Tuesday and Thursday: By appointment



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