

Client: EllisDon
Location: 144 Bay Street, Toronto, ON
Project Timeline: October - December 2022
Project Value: \$2,400,000



Yonge Viaduct Demolition

Overview

QM Solutions delivered complex demolition and engineering services to remove a century-old concrete bridge beside the active Metrolinx rail corridor. Originally built around 1928, the bridge measured approximately 17 metres long by 24 metres wide and was 1.2 metres thick.

To complete the work, a full road closure was scheduled on Yonge Street between Lakeshore Road and Front Street for six consecutive weekends. QM mobilized every Friday and demobilized every Sunday to reopen the road for pedestrian and vehicle traffic by Monday morning.



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Services & Solutions

- ▶ Full engineered demolition procedure.
- ▶ Pre-demolition and post-demolition survey to verify and confirm all existing conditions to remain were not impacted.
- ▶ Vibration monitoring.
- ▶ A 46cm sand bed installed on the road to protect and cushion falling debris.
- ▶ Blast mats held in place via crane to protect the adjacent construction site from falling debris during removals of 1.8 m thick abutment wall.
- ▶ Water truck utilized for dust suppression and clean-up of road.
- ▶ Road cleaner/sweeper utilized for road clean up prior to the opening road for vehicular/pedestrian traffic.
- ▶ All concrete and rebar were hauled to an approved recycling facility.

