

Road Safety Improvements on Avenue Road, between Bloor Street West and Dupont Street

Post-installation Monitoring Report

March 2026



Data Collection

This data update presents a comparison between the conditions along the corridor and surrounding neighbourhood streets before and after implementation of safety improvements on Avenue Road between Bloor Street West and Dupont Street.

The data presented here comes from a variety of sources:

- **Vehicle speed and volume data** was collected at various locations along Avenue Road, between Bloor Street West and Dupont Street, and surrounding neighbourhood streets before and after installation of changes on Avenue Road. Post-installation data was collected in Spring and Summer 2025. Data previously collected from 2020 to 2023 was used as baseline. Traffic studies are available for public viewing on the City's Open Data portal.
- **Vehicle travel time data** is sourced from HERE Technologies, a third party navigation company. The data is continuous and has been processed from January 2019 to January 2026 by City staff to compare travel times on Avenue Road and nearby major streets before and after the installation of changes on Avenue Road.

Disclaimer: The changes in speed and volume observed before and after the implementation of the project happened against a backdrop of increasing traffic congestion levels and traffic volumes city-wide during the City's recovery from the COVID-19 pandemic. As a result, the impacts of the safety project cannot be isolated, and any increases in traffic volumes or decreasing motor vehicle speeds cannot be attributed solely to the project.

Speed and Volume Data

Post-installation speed and volume data was collected at the following locations:

Speed and Volume Data		
Location	Collection Date (Pre-installation)	Collection Date (Post-installation)
Avenue Road, between Yorkville Avenue and Lowther Avenue	October 2022	June 2025
Avenue Road, between Boswell Avenue and Tranby Avenue	October 2021	June 2025
Avenue Road, between Bernard Avenue and Davenport Road	November 2020	June 2025
Avenue Road, between Pears Avenue and Chicora	October 2021	June 2025

Turning Movement Counts		
Location	Collection Date (Pre-installation)	Collection Date (Post-installation)
Avenue Road and Bloor Street West	October 2022	June 2025
Avenue Road and Davenport Road	November 2022	June 2025
Avenue Road and Roxborough Street West	October 2022	May 2025
Avenue Road and Dupont Street	November 2023	June 2025
Bloor Street West and Bedford Road	February 2024	May 2025
Davenport Road and Bedford Road	March 2024	May 2025

Speed Data

The review of the vehicle speed data indicates that:

- Motor vehicle operating speeds have reduced approximately 10-15 kilometers per hour on average, representing an improvement to road safety.
- Vehicle speeds between Bloor Street West and Dupont Street before installation averaged 54.6 km/h northbound and 56.7 km/h southbound. Comparing vehicle speed data collected before and after the Avenue Road installation, 85th percentile speeds have decreased on average across all locations by approximately 22% in both directions.
- The largest decreases in speed in the **northbound** direction occurred between Davenport Road and Bernard Avenue, where a 31% reduction in 85th percentile speed was observed, from approximately 50 km/h to approximately 34 km/h.
- The largest decreases in speed in the **southbound** direction occurred between Lowther Avenue and Yorkville Avenue, where a 28% reduction in 85th percentile speed was observed, from approximately 56 km/h to approximately 42 km/h.
- In addition to changes to the roadway design, posted speed limits were reduced from 50 km/h to 40 km/h in Summer 2023.

The review of the vehicle volume data does not suggest any changes in the traffic patterns as a result of Avenue Road installation.

Note: The 85th percentile speed represents the speed at or below which 85% of drivers are operating.

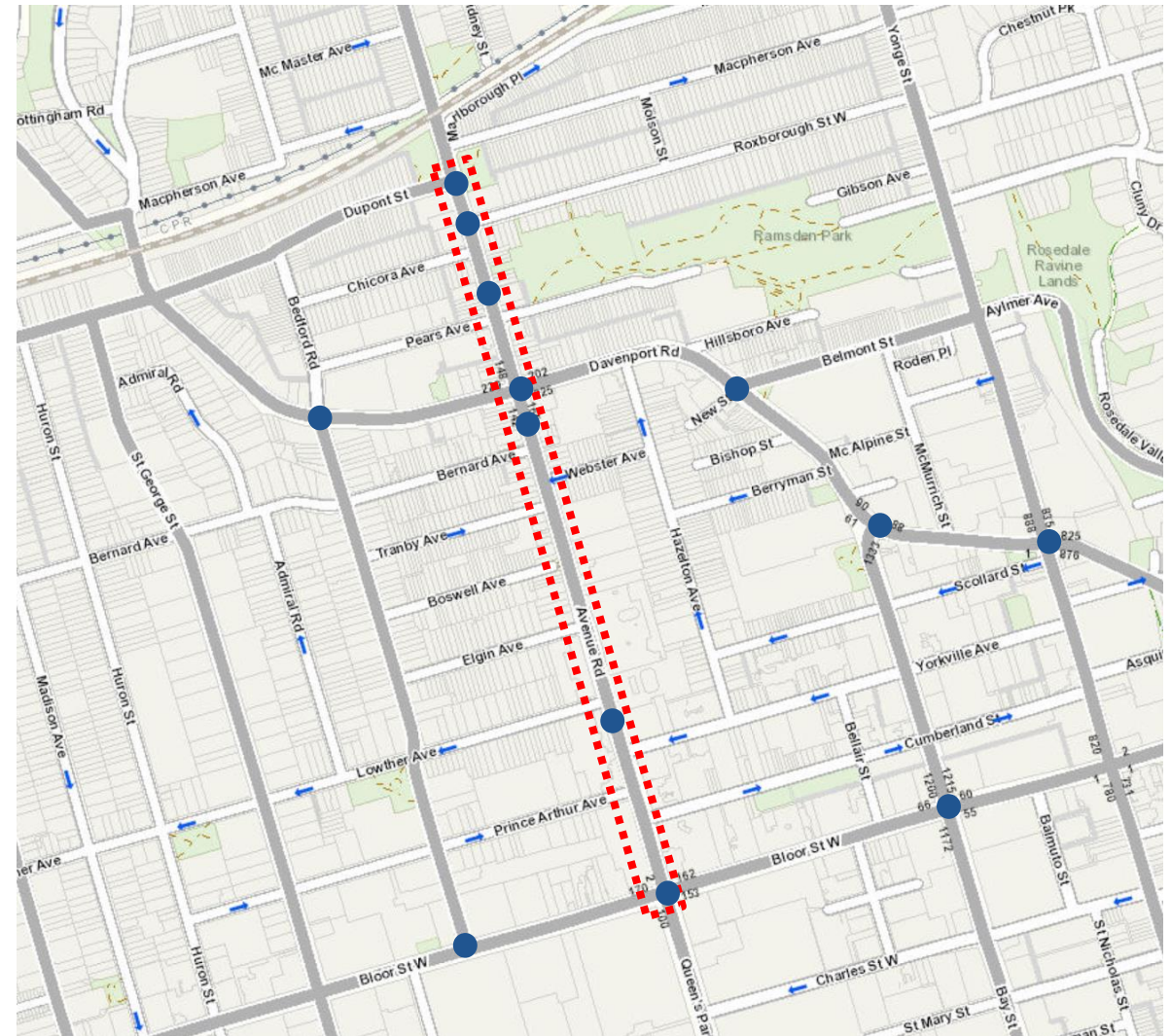
Speed Data

The table below provides a summary of speed data analysis on Avenue Road before and after the installation.

Segment	Pre-installation Data				Post-installation Data				Before / After Changes		
	Collection Date	85th Percentile Speed (km/h) NB	85th Percentile Speed (km/h) SB	85th Percentile Speed (km/h) All Directions	Collection Date	85th Percentile Speed (km/h) NB	85th Percentile Speed (km/h) SB	85th Percentile Speed (km/h) All Directions	Speed (km/h) NB	Speed (km/h) SB	Speed (km/h) All Directions
Avenue Road between Pears Avenue and Chicora Ave	Oct-21	64.8	57	62.7	Jun-25	49.6	47.6	49	-15.2	-9.4	-13.7
Avenue Road between Davenport Road and Bernard Avenue	Nov-20	49.6	56.9	54.2	Jun-25	34.4	44.8	41.9	-15.2	-12.1	-12.3
Avenue Road between Tranby Avenue and Boswell Avenue	Oct-21	56.5	57	56.8	Jun-25	39.5	46.9	43.9	-17	-10.1	-12.9
Avenue Road between Lowther Avenue and Yorkville Avenue	Oct-22	47.3	55.7	51.7	Jun-25	42.2	40.2	41.6	-5.1	-15.5	-10.1

Volume Data

- Local streets accessible from Avenue Road between Dupont Street and Bloor Street West typically run perpendicular to Avenue Road and do not form an alternative route that could be used to bypass Avenue Road. There is limited potential for changes to Avenue Road to impact travel patterns on local streets.
- Data collected does not indicate any evidence of changes in traffic patterns on adjacent neighbourhood streets.



 Installation Area

 Post-installation Volume Data collected

Vehicle Travel Time

- Vehicle travel time data has been analysed for the following street segments:
 - Avenue Road – between Dupont Street and Bloor Street West
 - Yonge Street – between Roxborough Street West and Bloor Street West
 - Bedford Road – between Bloor Street West and Davenport Road
 - St George Street – between Bloor Street West and Dupont Street
 - Davenport Road – between Dupont Street and Yonge Street
- Vehicle travel time data analysis focuses on the following time periods:
 - From 2024-01-01 to 2024-07-16: Pre-Installation Baseline
 - From 2024-07-16 to 2024-11-01: Installation
 - From 2024-11-01 to 2025-01-01: Immediate Post-Installation
 - From 2025-01-01 to 2026-01-01: Long Term Post-Installation
- Additionally, a long-term analysis was completed for the period of January 2019 to January 2026 to establish the context.

Vehicle Travel Time

The review of the vehicle travel time data indicates that:

- Travel times increased on some road segments during the installation period (Mid-July 2024 to November 2024) and have reverted to pre-installation norms since October 2024 when the installation of the roadway reconfiguration was complete.
- Data does not show any significant changes to travel times on Avenue Road and nearby corridors since October 2024.
- The post-installation travel times on Avenue Road in the southbound direction during the PM peak period (4 PM - 6 PM), and in both directions in the AM peak period (7 AM - 9 AM) are consistent with pre-installation travel times. The northbound PM peak is about 1 minute longer than pre-implementation.
- The table below provides a summary of motor vehicle travel times on Avenue Road and nearby major streets during the morning peak period.

Vehicle Travel Time – AM Peak

The table below provides a summary of motor vehicle travel times on Avenue Road and nearby major streets during the **morning peak period (7 AM – 9 AM)**.

Street Segment	Direction	AM Peak Period (7 AM – 9 AM) Average Travel Time (Minutes)*				
		Pre-Installation (January 2024 to Mid-July 2024)	Installation (Mid-July 2024 to November 2024)	Immediate Post- Installation (November 2024 to January 2025)	Long Term Post- Installation (January 2025 to June 2025)	Long Term Post- Installation (June 2025 to January 2026)
Avenue Rd, between Bloor St W and Dupont St	Northbound	3.0	3.4	3.3	3.1	3.0
	Southbound	2.5	2.9	3.4	2.7	2.7
Bedford Rd, between Bloor St W and Davenport Rd	Northbound	2.9	3.0	3.0	2.8	2.9
	Southbound	2.8	3.3	3.0	2.6	2.7
Davenport Rd, between Dupont St and Yonge St	Eastbound	4.4	4.4	4.2	4.4	4.6
	Westbound	4.5	5.7	6.4	4.3	4.6
St George St, between Bloor St W and Dupont St	Northbound	2.9	3.3	3.2	3.0	3.0
	Southbound	3.6	3.4	3.5	3.2	3.1
Yonge St, between Bloor St W and Roxborough St W	Northbound	3.7	3.6	3.9	3.7	3.8
	Southbound	3.6	3.6	3.5	3.6	4.0

*Based on a sample of vehicles during the stated periods. Statutory holidays are excluded.

There are many factors impacting travel time, including time of year, weather, special events, collisions, and natural statistical variability etc. that have not been controlled for here.

The relatively short periods and low volume roads monitored may contain insufficient data sample to reliably compare differences in average travel times.

Vehicle Travel Time – PM Peak

The table below provides a summary of motor vehicle travel times on Avenue Road and nearby major streets during the **afternoon peak period (4 PM – 6 PM)**.

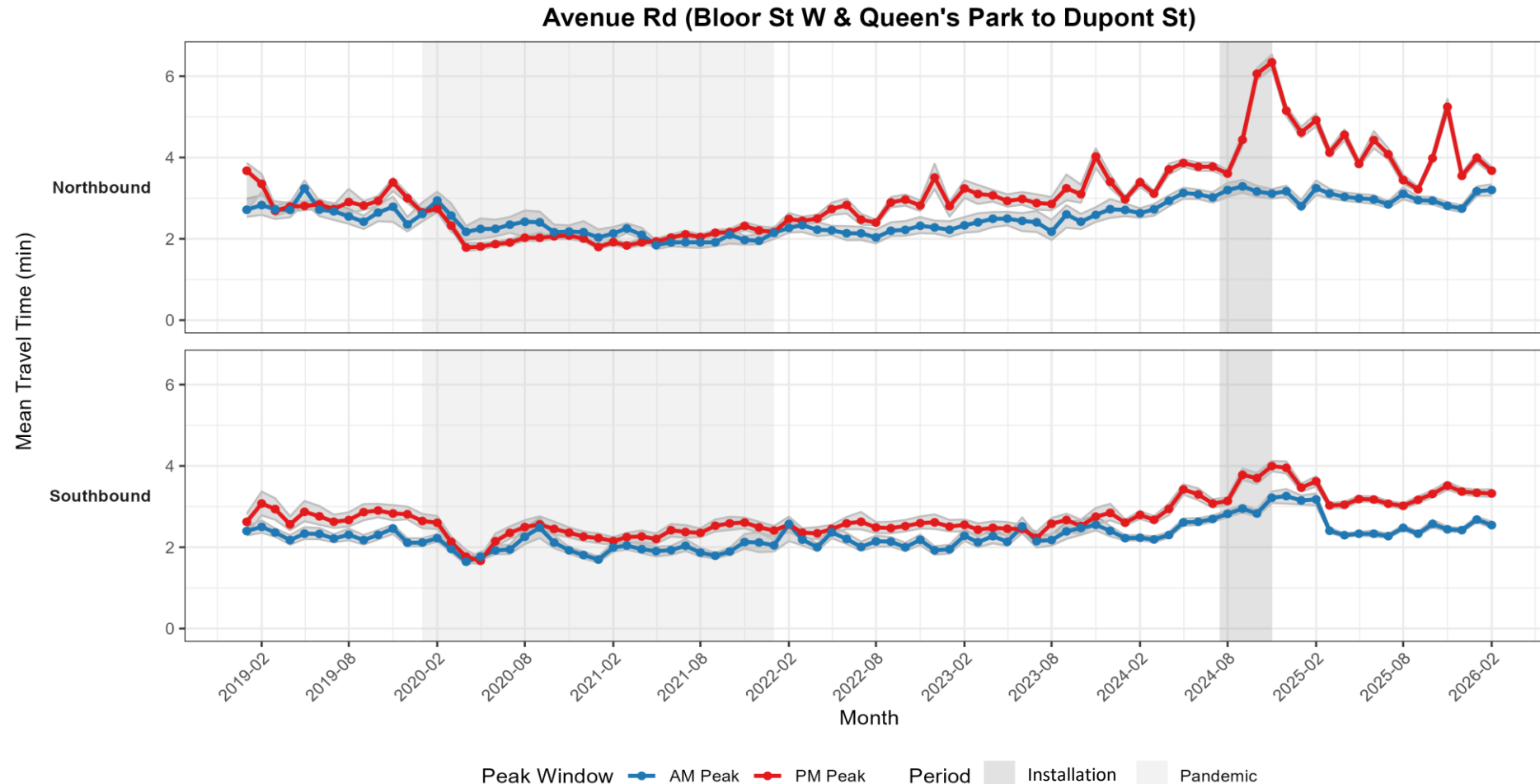
Street Segment	Direction	PM Peak Period (4 PM – 6 PM) Average Travel Time (Minutes)*				
		Pre-Installation (January 2024 to Mid-July 2024)	Installation (Mid-July 2024 to November 2024)	Immediate Post- Installation (November 2024 to January 2025)	Long Term Post- Installation (January 2025 to June 2025)	Long Term Post- Installation (June 2025 to January 2026)
Avenue Rd, between Bloor St W and Dupont St	Northbound	3.5	4.7	5.9	4.4	4.4
	Southbound	3.2	3.6	4.2	3.4	3.3
Bedford Rd, between Bloor St W and Davenport Rd	Northbound	2.8	3.1	3.2	2.8	2.7
	Southbound	2.8	2.9	2.9	2.8	2.7
Davenport Rd, between Dupont St and Yonge St	Eastbound	5.2	5.4	5.0	4.8	4.6
	Westbound	6.1	9.6	11.0	6.4	7.2
St George St, between Bloor St W and Dupont St	Northbound	2.8	3.2	3.6	3.3	3.5
	Southbound	3.3	3.6	3.5	3.3	3.1
Yonge St, between Bloor St W and Roxborough St W	Northbound	5.5	5.7	6.8	5.9	7.2
	Southbound	4.7	5.0	5.0	4.7	4.6

*Based on a sample of vehicles during the stated periods. Statutory holidays are excluded.

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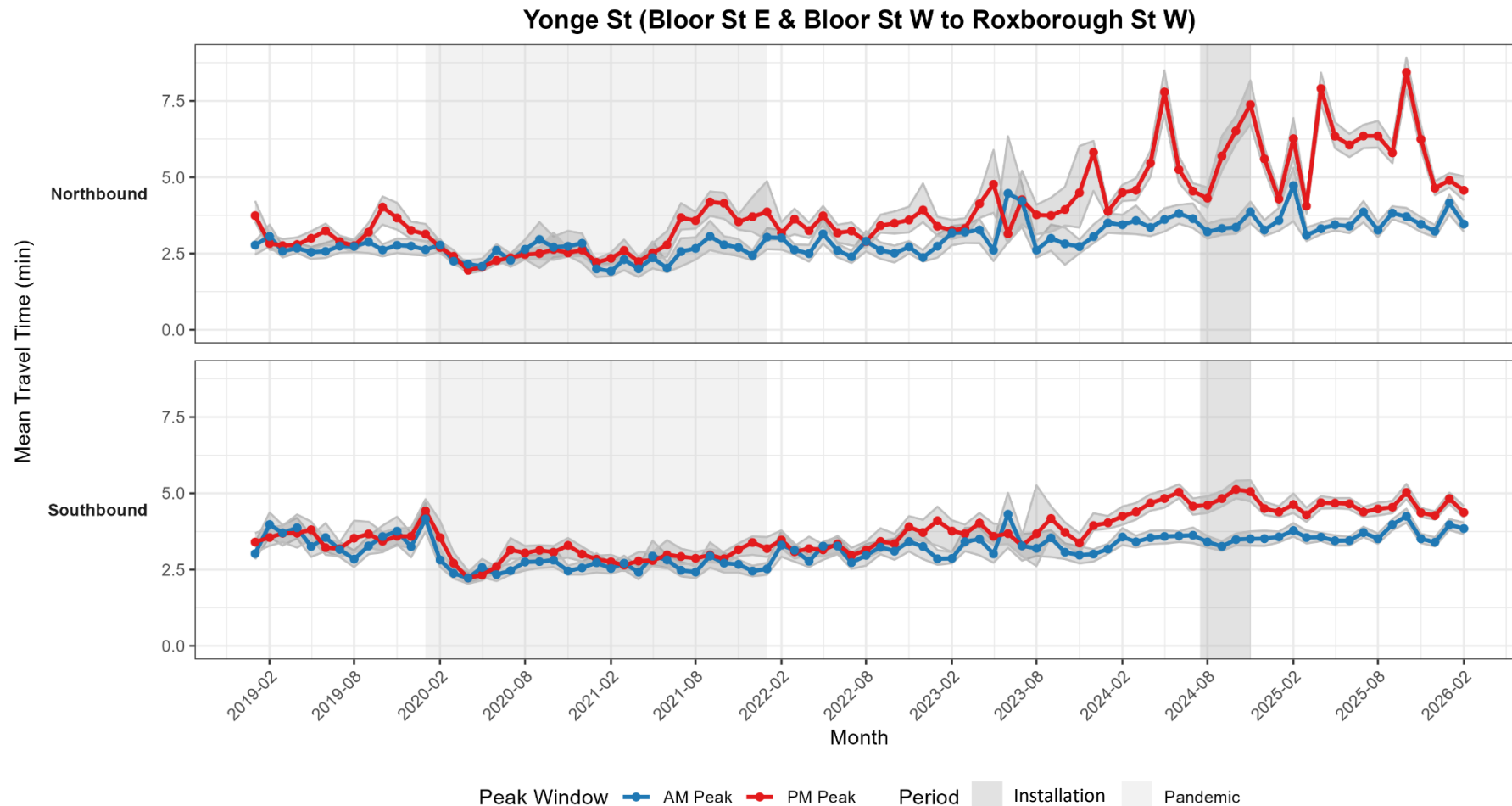
Vehicle Travel Time – Avenue Road

The chart below shows the changes in travel time on Avenue Road, between Bloor Street West and Dupont Street for the period of January 2019 to January 2026.



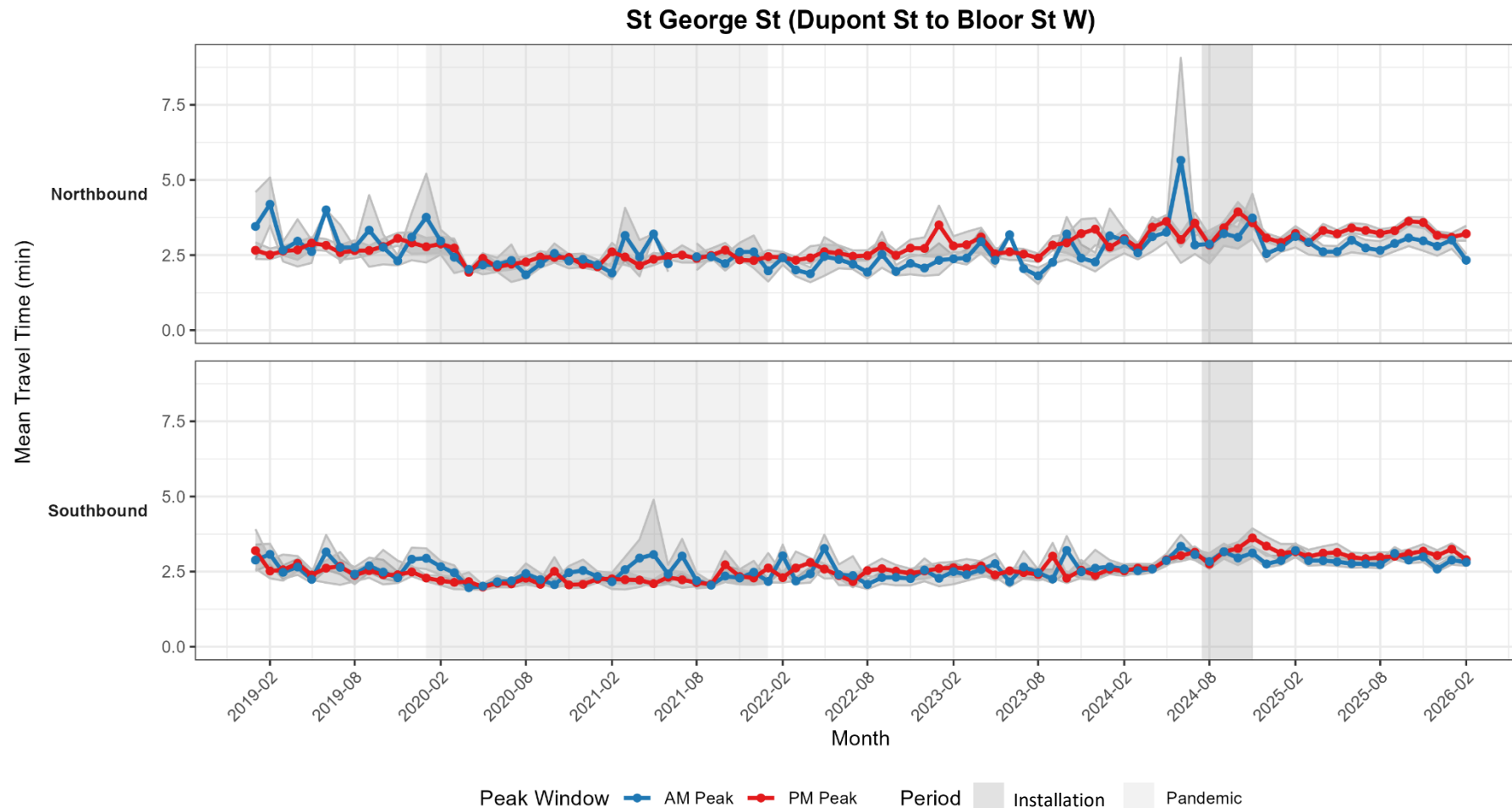
Vehicle Travel Time – Yonge Street

The chart below shows the changes in travel time on Yonge Street, between Bloor Street West and Roxborough Street West for the period of January 2019 to January 2026.



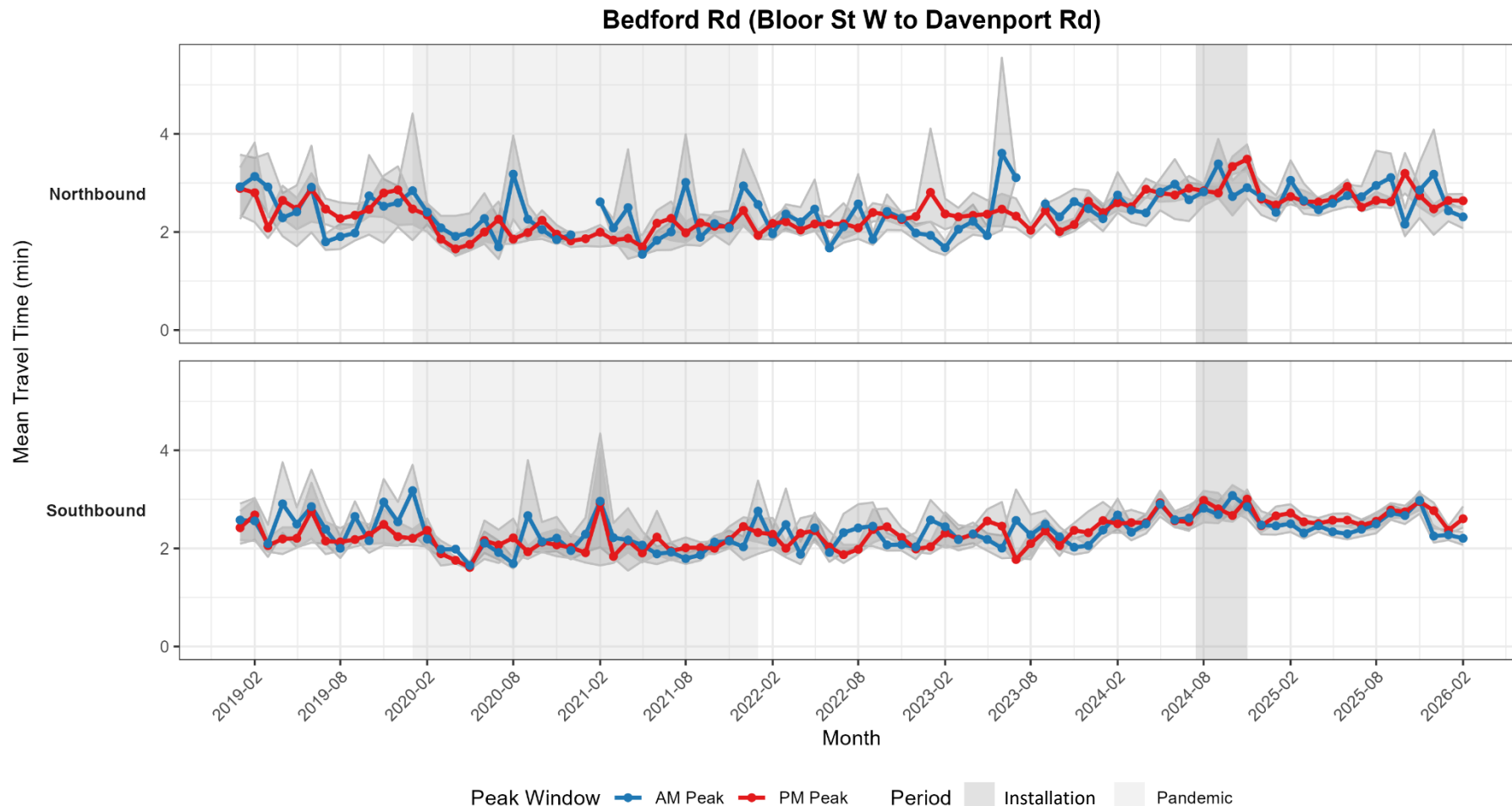
Vehicle Travel Time – St George Street

The chart below shows the changes in travel time on St George Street, between Bloor Street West and Dupont Street for the period of January 2019 to January 2026.



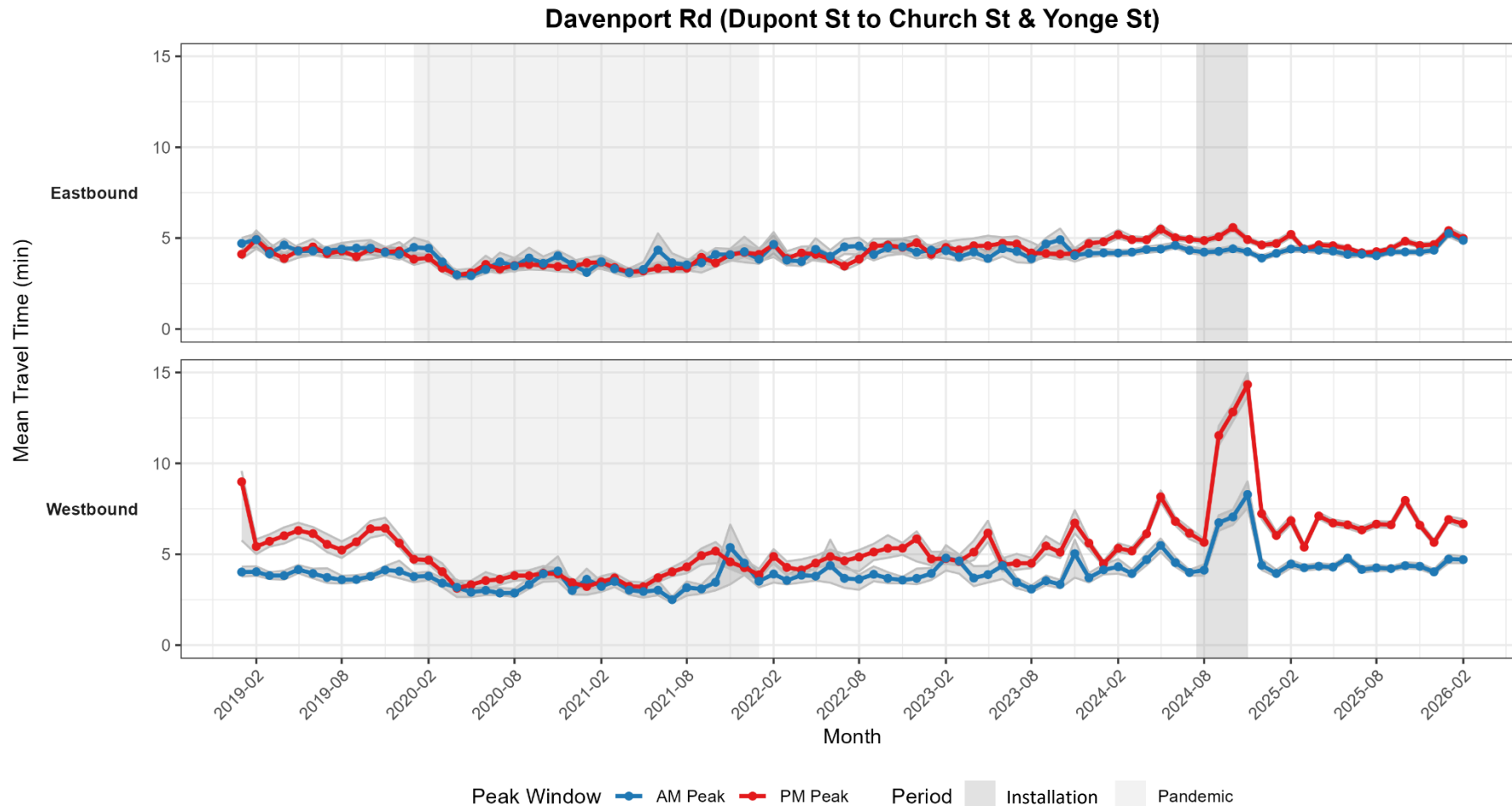
Vehicle Travel Time – Bedford Road

The chart below shows the changes in travel time on Bedford Road, between Bloor Street West and Davenport Road for the period of January 2019 to January 2026.



Vehicle Travel Time – Davenport Road

The chart below shows the changes in travel time on Davenport Road, between Yonge Street and Dupont Street for the period of January 2019 to January 2026.



For more information, visit:
toronto.ca/AvenueRoadStudy

Questions?
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