

Wentworth Street North 30 km/h Speed Limit Reduction Pilot Speed Data Summary

The Wentworth Street North 30 km/h Speed Limit Reduction Pilot Project assessed three sets of speed data:

- a) Vehicle speeds prior to any changes on Wentworth Street North (baseline data)
- b) Vehicle speeds after the speed limit was reduced to 30 km/h
- c) Vehicle speeds after both the speed limit was reduced to 30 km/h and physical changes were implemented.

Vehicle speeds prior to any changes on Wentworth Street North (baseline data):

Speed data from 2017 was used for the baseline comparison, as it was collected before the COVID-19 pandemic and best represents normalized roadway operating conditions.

A speed and classification study was conducted from April 3, 2017, starting at 12:00 AM and concluding on April 29, 2017, at 12:00 AM. The study results, including the 85th percentile speed (the speed at which 85% of traffic travel at or below) and average speed, are summarized below for the northbound and southbound directions.

	Northbound	Southbound
85 th Percentile Speed	54 km/h	51 km/h
Average Speed	44 km/h	44 km/h

The results show that traffic generally complies with the 50 km/h posted speed limit on the roadway, with occasional instances of a 40 km/h speed limit due to the proximity of Cathy Weaver Elementary School.

Vehicle speeds after the speed limit was reduced to 30 km/h:

A speed and classification study was conducted from September 23, 2024, starting at 12:00 AM and concluding on September 30, 2024, at 12:00 AM, before the road configuration changes, but with the installation of the 30 km/h speed limit (not time-restricted). The counter was placed in both the northbound and southbound lanes between Bristol Street and Cannon Street East. The study results, including the 85th percentile speed and average speed, are summarized below for the northbound and southbound directions.

	Northbound	Southbound
85 th Percentile Speed	50 km/h	53 km/h
Average Speed	43 km/h	45 km/h

The results show that traffic is generally not in compliance with the 30 km/h posted speed limit.

Vehicle speeds after speed limit reduction to 30 km/h and physical changes:

A speed and classification study was conducted from November 4, 2024, starting at 12:00 AM and concluding on November 11, 2024, at 12:00 AM (after the 30 km/h speed limit was installed and road reconfiguration was completed). The counter was placed in both the northbound and southbound lanes between Bristol Street and Cannon Street East. The study results, including the 85th percentile speed and average speed, are summarized below for the northbound and southbound directions.

	Northbound	Southbound
85 th Percentile Speed	54 km/h	49 km/h
Average Speed	46 km/h	42 km/h

The results show that traffic is generally not in compliance with the 30 km/h posted speed limit, and there was little to no change in average and 85th percentile speeds compared to the pre-configuration results. In fact, the northbound average speed increased slightly.