

James Street North and York Boulevard/Wilson Street: Existing Conditions Summary

The intersection of James Street at York Boulevard/Wilson Street is a four-leg signalized intersection. The intersection has a considerable skew for the eastbound and westbound lanes.

The lane configuration consists of the following:

- Northbound approach: one through lane and one shared through/right-turn lane. The left turn movement is restricted. Due to on-street parking regulations, the curb lane effectively operates as a right-turn lane.
- Southbound approach: one through lane and one shared through/left-turn lane. James Street widens to two lanes south of Vine Street. There is a right-turn restriction for this approach.
- Eastbound approach: one left-turn lane, one through lane, and one shared through/right turn lane. There is also a painted bike lane that terminates at James Street.
- Westbound approach: one left-turn lane and one shared through/right-turn lane.

Both James Street and York Boulevard/Wilson Street are undivided four-lane streets. Both streets have a speed limit of 50 kilometers per hour (km/h).

The historical collision data

The historical collision data (January 1, 2018, to December 31, 2022) identified the following main patterns in the collision history:

- A total of 32 collisions were recorded during the five-year analysis period between 2018 and 2022. There was an increase in collisions in 2022 compared to the previous years; the 5 impact types primarily consisted of rear-end and angle collisions. It is not known if the annual increase in collisions can be attributed to annual fluctuation, or if there has been an increase in collisions related to other factors.
- 1 pedestrian collision was recorded that involved a westbound motorist striking a pedestrian. The pedestrian was noted to be crossing without right-of-way.
- Rear-end collisions were the predominant impact type with 13 collisions (40% of all collisions), including 6 eastbound and 4 southbound collisions. This could be attributed to the eastbound direction being the predominant direction of travel through the intersection.
- Angle collisions were the second highest impact type frequency with 8 collisions (25% of all collisions), including 4 collisions in the eastbound direction.
- A total of 6 sideswipe collisions were recorded (19% of all collisions), including 4 in the southbound direction. This could be attributed to the on-street parking

regulations north of Vine Street or motorists changing lanes to avoid the southbound left-turn queue at York Boulevard/Wilson Street.

- A fatal cyclist collision occurred on Thursday, September 28, 2023, at approximately 4:00 p.m. The collision involved a cement truck making an eastbound right-turn and colliding with an eastbound cyclist. It is not known if the cyclist was travelling in the bike lane or riding on the sidewalk. The fatal cyclist collision was not included as part of the collision analysis since the 2023 dataset was not available at the time of writing.