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Town of Aurora

## Memorandum

Planning and Development Services

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**Re:** Yield Sign Feasibility Assessment

**To:** Active Transportation and Traffic Safety Advisory Committee

**From:** Michael Bat, Traffic and Transportation Analyst

**Date:** September 25, 2024

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### Recommendation

1. That the memorandum regarding Yield Sign Feasibility assessment be received; and;
2. That the Active Transportation and Traffic Safety Advisory Committee comments regarding Yield Sign Feasibility assessment be received and referred to staff for consideration and further action as appropriate.

### Background

As requested by the Committee at its meeting on May 22, 2024, this memorandum provides information on yield sign implementation at stop-controlled intersections to improve the overall traffic flow.

The Town currently has seven (7) yield controlled intersections. They are all located on local roads at t-intersections with generally low vehicular volumes:

- Adair Drive and Davidson Road/Bailey Crescent
- Baldwin Drive and Johnson Road/Holman Crescent
- Bailey Crescent and Davidson Road
- Haida Drive and Algonquin Crescent
- Hutchinson Road and Patrick Drive/Webster Drive
- Johnson Road and Holman Crescent
- Kitimat Crescent (south leg) and Tecumseh Drive

According to Ontario Traffic Manual (OTM) Book 5, a yield sign is used to regulate right-of-way control. Vehicles approaching the sign must yield the right-of-way at an intersection to oncoming vehicles on the priority road, and at a roundabout to vehicles

inside the facility, stopping if necessary. Yield signs can be implemented at intersections, roundabouts or right turn channels, if it is found that:

- The normal right-of-way rule does not provide safe, convenient, and efficient traffic movement; and,
- A stop regulation at one or more of the approaches is too restrictive.

Based on feedback received from York Region and its local municipalities, yield signs are generally implemented at roundabouts and channelized right turn lanes, and yield signs that have been previously installed at intersections are gradually being replaced with stop signs.

The right-of-way rules between stop and yield signs are summarized below:

- Stop signs require the driver to stop the vehicle before entering the intersection, yield to any traffic in or approaching the intersection and then proceed when it is safe to do so.
- Yield signs require drivers approaching the sign to yield the right-of-way at an intersection to oncoming vehicles on the priority road, and at a roundabout to vehicles inside the facility, stopping if necessary.

Yield controlled intersections may be more efficient for overall traffic flow in neighbourhoods. However, in consideration of pedestrian safety, it is not recommended to replace stop control intersections with yield signs as stop control intersections provide a more restrictive measure for drivers as they are required to come to a full stop for pedestrians.

## **Attachment**

None.