

Background

The City's Roads and Transportation Services Division received a list of intersections from operations staff outlining various uncontrolled intersections in the York Street Area in Ward 10 of the City of Greater Sudbury.

Uncontrolled intersections have no Stop or Yield signs and operate under the "Right of Way Rule." Under this rule, when vehicles approach the intersection at the same time the driver on the left yields right of way to the vehicle on the right. Uncontrolled intersections are becoming less common in urban areas as unnecessary conflicts may be created.

A more appropriate approach is to follow the recommended standard practices contained in the Ontario Traffic Manual Book 5, Regulatory Signs. The recommended traffic control for each intersection is described below. Following this standard, the recommended traffic control for each intersection is described below.

Connaught Avenue and Kincora Court

Kincora Court intersects Connaught Avenue forming a "T" intersection. This intersection is located south of York Street (see Exhibit 'A'). A Yield sign is appropriate when the traffic volume is low, sight lines are good and stopping is not always required. Sight lines are restricted in the northeast corner of this intersection by the grade of the yard at #2 Kincora Court. Therefore, it is recommended that the traffic be controlled with a Stop sign facing westbound traffic on Kincora Court and Connaught Avenue remain a through street.

Hillsdale Crescent and Mark Street

Mark Street intersects Hillsdale Crescent forming a "T" intersection. This intersection is also located south of York Street (see Exhibit 'A'). A Yield sign is appropriate when the traffic volume is low, sight lines are good and stopping is not always required. At this intersection all of these conditions are met. Therefore, it is recommended traffic be controlled with a Yield sign facing northbound traffic on Mark Street and Hillsdale Crescent remain a through Street.

Lakeview Drive and Crown Street

Crown Street intersects Lakeview Drive forming a "T" intersection. This intersection is also located south of York Street (see Exhibit 'A'). A Yield sign is appropriate when the traffic volume is low, sight lines are good and stopping is not always required. At this intersection all of these conditions are met. Therefore, it is recommended traffic be controlled with a Yield sign facing northbound traffic on Crown Street and Lakeview Drive remain a through Street.

Conclusion

Improving the above noted intersections with the installation of traffic control devices will ensure they meet best practice in the design of urban roadway.

Resources Cited:

Ontario Traffic Manual Book 5, *Regulatory Signs*, March 2000