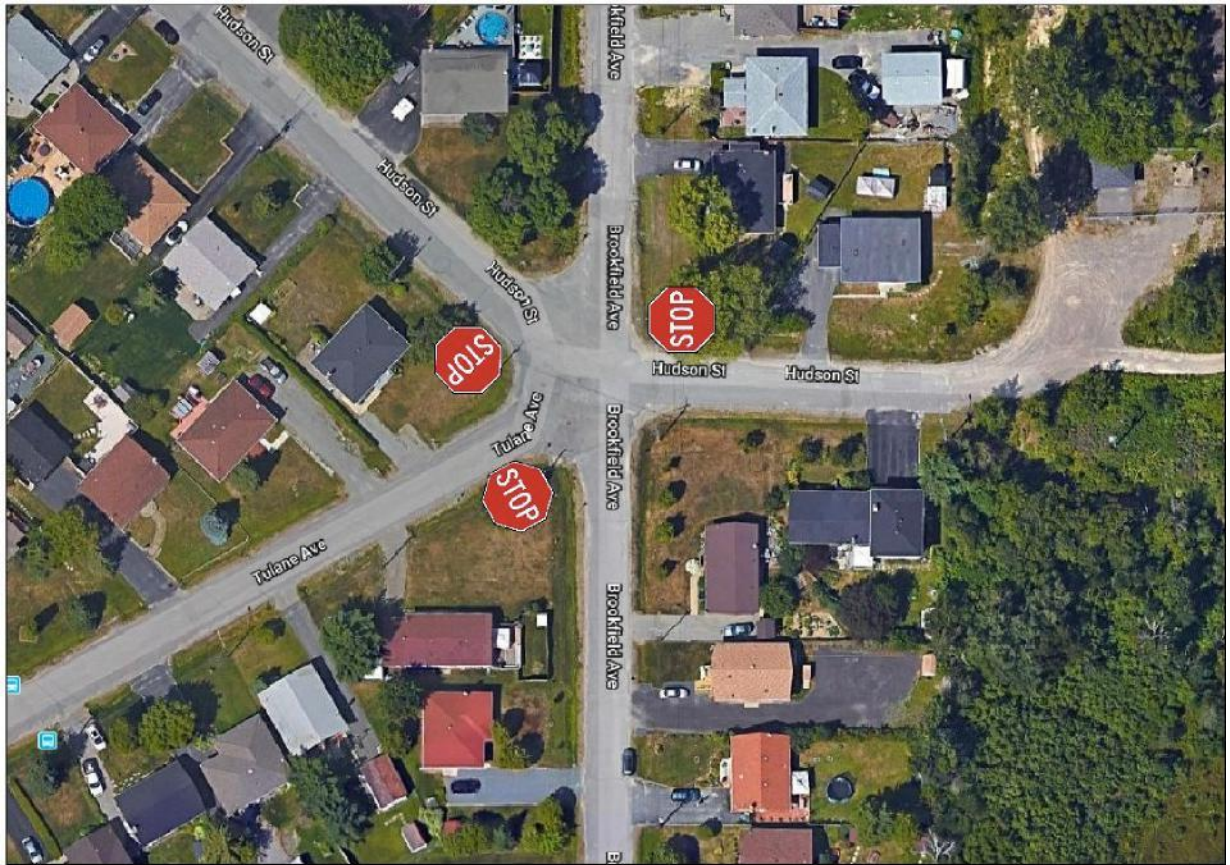


All Way Stop Control

Brookfield Avenue at Tulane Avenue and Hudson Street

The Transportation and Innovation Services section received a request to review traffic control at the intersection of Brookfield Avenue at Tulane Avenue at Hudson Street located east of Falconbridge Road in Sudbury.



Brookfield Avenue at Tulane Avenue and Hudson Street intersects and forms a five leg intersection. Currently this intersection is controlled with three Stop signs facing eastbound and westbound traffic on Hudson Street and north eastbound traffic on Tulane Avenue.

In 2008, City Council adopted an all-way stop policy for the City of Greater Sudbury. The policy is based on a jurisdictional scan of Ontario municipalities and reduces the

requirements to have all-way stops installed. Staff conducted a turning movement count on June 12, 2019 at this intersection and applied the data to the City's Minimum volume warrant. Based on the average annual daily traffic volumes on Hudson Street, this intersection would be classified as a Local. As shown in Exhibit A, the total volume meets 50% of the volume requirements (See Exhibit A).

A review of the City's collision information from 2015 to 2019 year to date, revealed that there were no collisions during this period. For a local roadway, the collision warrant requires a minimum of three collisions per year over three year period.

While the traffic volumes and collision fall below the warrants, this uncommon and unconventional intersection is confusing for drivers and can cause unnecessary conflicts. Due to this unorthodox intersection geometry, staff recommends installing all-way stops at this intersection.