

All-Way Stop Control – Moss Street at Beaumont Avenue

Background

City staff received a request from Ward Councillor Landry-Altmann and area residents to determine if an all-way stop is warranted at the intersection of Moss Street and Beaumont Avenue. This intersection is located in Ward 12, north of LaSalle Boulevard and is currently controlled with a stop sign facing westbound traffic on Moss Street (Figure 1)

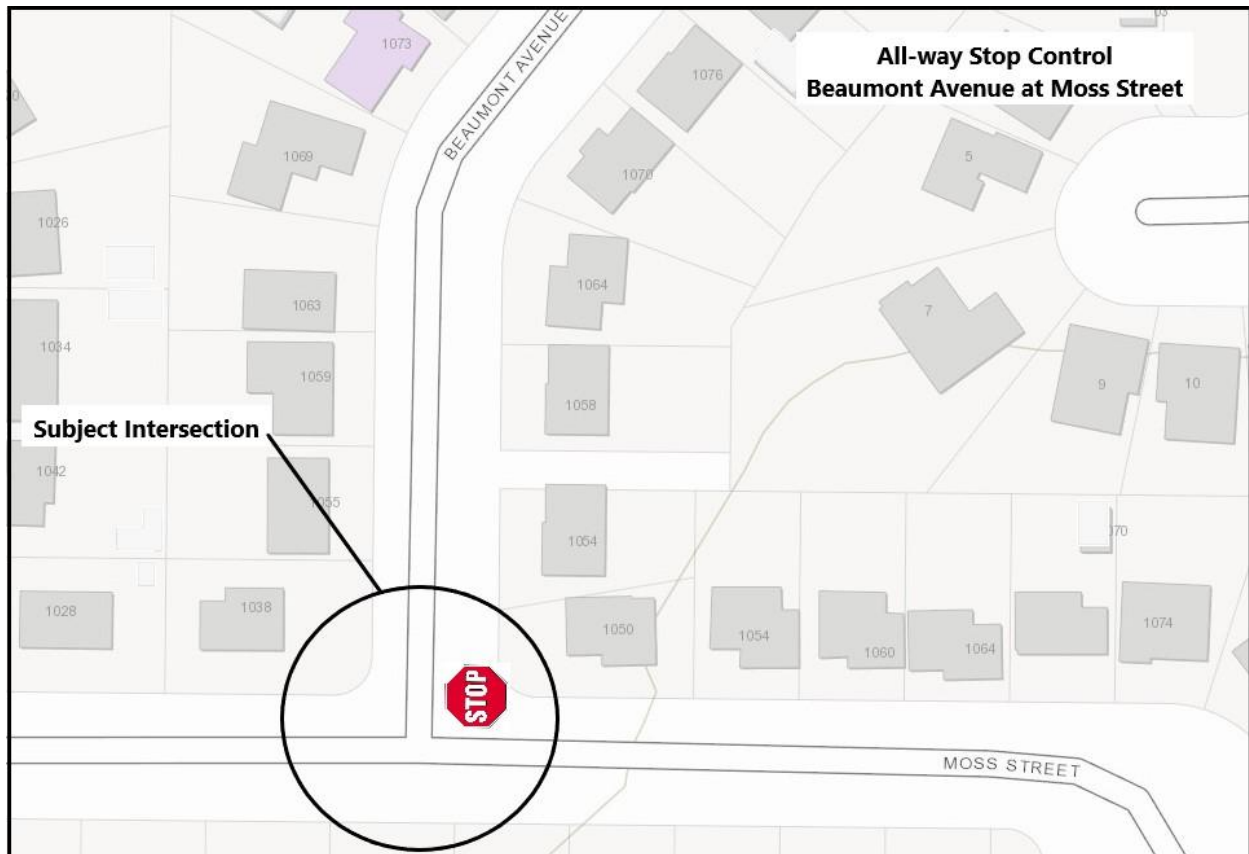


Figure 1: Existing stop sign configuration at Moss Street and Beaumont Avenue

The current stop sign configuration is not a standard form of traffic control at a “T” intersection. Typically at a “T” intersection, vehicles on the intersecting road are required to stop or yield to vehicles on the through road. Intersections with a non standard system of traffic control may create driver confusion and conflicts between various turning movements.

In an effort to gauge resident support, Councillor Landry-Altmann surveyed the residents of Moss Street and Beaumont Avenue to determine whether or not they supported an all-way stop at the intersection. In total, 30 residents responded and the results of the survey indicated that 77% of residents were in favor of an all-way stop and expressed safety and a high volume of cut through traffic at the intersection as their main concerns.

Data Collection and Analysis

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 November 20, 2019 at this intersection and applied the data to the all-way stop policy. As shown in Appendix A, the minimum vehicle volumes meet the requirements to have an all-way stop installed.

A review of the collision information from 2017 to 2020 year to date revealed that there were no collisions that may be susceptible to relief through an all-way stop during this three year period. The all-way stop warrant for a local road requires there be a minimum of 2 collisions per year over a 3 year period.

Based on the volume of traffic, staff recommend the installation of an all-way stop at the intersection of Moss Street and Beaumont Avenue.