

Municipality of East Ferris

Information Report

Report No.: R-2019-09

Date: May 14, 2019

Originator: Antoine C. Boucher, Director of Public Works and Engineer

Subject: **Proposed Stop Sign – Big Moose Road
Westerly before Guillemette Road Intersection**

RECOMMENDATION

That Council receives this report for information purposes.

BACKGROUND

November 13th 2018, Council approved the application for the proposed development of 10 new lots to the North of Kyle Road, decision which became final on December 10th 2018.

The projected Average Annual Daily Traffic for Guillemette Road is estimated to increase to 320 AADT once the new lots are developed. This had raised some concerns by local residents that a stop sign at the Big Moose Road intersection may be warranted.

ANALYSIS/OPTIONS

Guillemette Road is presently a local road that intersects Big Moose Road. Traffic entering Guillemette Road from that point of intersection must obey the posted stop sign. There is no traffic control on Big Moose Road and therefore that road has priority.

The speed limit for both roads is 50km/hr and the intersection is illuminated with a street light that was installed at the intersection in September 2009.

To the East side of Guillemette Road, Big Moose Road is located on a hill. The top of the hill is approximately 260m East of the Intersection. The downhill slope towards Guillemette reduces from 10% to 8% before the intersection. The required 100m stopping sight distance for this intersection is met assuming wet pavement. It will take approximately 15 seconds for a vehicle driving 10km/hr over the posted speed limit to reach the intersection from the top of the hill.

The level of service for this road in the winter is snow packed. The winter maintenance includes snow plowing and sanding. Operational concerns are raised during winter condition where traffic is driving downhill having to potentially obey to a stop sign. In such case the concern is not necessarily raised for the first vehicle, but mainly for the second vehicle having less than 15 seconds to come to a full stop in order to avoid impact.

Based on the above, it is recommended to maintain the controlled intersection with only one (1) stop sign on Guillemette Road, being a secondary local road and where Big Moose Road remains the primary local road with free flow traffic.

Respectfully Submitted,

I concur with this report and recommendation,



Antoine C. Boucher, P. Eng.
Municipal Engineer



Jason H. Trottier, BBA, CPA, CMA
CAO/Treasurer